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# Natural Gas Monthly
# April 2000

**Energy Information Administration**
Office of Oil and Gas
U.S. Department of Energy
Washington, DC 20585

**This report is available on the WEB at:**

**Http://www.eia.doe.gov/oil_gas/natural gas /data_publications/natural_gas_monthly/ngm.html**

## Natural Gas Publications and Databases Available Electronically

All of the natural gas publications are available electronically on the EIA website. Certain natural gas data are also provided in database formats on the web site. The table below is a guide to the major natural gas products.

| Product | Format | Contents |
|---|---|---|
| **Publications** | | |
| *Natural Gas Weekly Market Update* | PDF | Analysis of current price, supply and storage data |
| *Natural Gas Monthly* | PDF | Monthly supply, disposition, and price data |
| *Natural Gas Annual* | PDF | Annual supply, disposition, and price data |
| *Historical Natural Gas Annual* | PDF | Historical annual supply, disposition, and price data from 1930 - 1997 |
| *Issues and Trends* | PDF | Comprehensive analysis of growth and change in the natural gas industry |
| *U.S. Crude Oil, Natural Gas and Natural Gas Liquids Reserves* | PDF | Proved reserves in the United States |
| *Oil and Gas Field Code Master List* | PDF | Listing of U.S. oil and gas field names |
| **Databases** | | |
| Monthly Data | TXT | Tables 1-6, and 9 from the *Natural Gas Monthly* |
| Historical Monthly Data | EXE | Consumption and price data, 1984-1994; 1995-present |
| Annual Data | TXT | Tables from the *Natural Gas Annual* |
| Historical Annual Data | TXT | Tables from the *Historical Natural Gas Annual* |
| Field Codes | EXE | Oil & Gas Field Code Master List |
| **Applications** | | |
| EIA-176 Query System | EXE | Company filings to the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition" |
| EIAGIS | EXE | Periodic updates for users of the EIAGIS-NG Geographic Information System |

PDF files are image files that can be viewed through Adobe Acrobat.

TXT files are ASCII text. They may be replications of published tables, including table titles, column and row identification, or they may be flat files with a minimum of content description suitable for input to spreadsheets or other programs.

EXE files are executables that can be downloaded then opened. Databases are distributed as self-executing Zipped archives which spawn numerous data files and documentation. Applications are distributed as self-executing Zipped archives which initially generate numerous files and then form an application which is installed on the user's PC.

# Preface

The *Natural Gas Monthly (NGM)* is prepared in the Natural Gas Division, Office of Oil and Gas, Energy Information Administration (EIA), U.S. Department of Energy (DOE), under the direction of Joan E. Heinkel.

General questions and comments regarding the *NGM* may be referred to Ann M. Ducca (202) 586-6137. Specific technical questions may be referred to the appropriate persons listed in Appendix E.

The *NGM* highlights activities, events, and analyses of interest to public and private sector organizations associated with the natural gas industry. Volume and price data are presented each month for natural gas production, distribution, consumption, and interstate pipeline activities. Producer-related activities and underground storage data are also reported. From time to time, the *NGM* features articles designed to assist readers in using and interpreting natural gas information.

The data in this publication are collected on surveys conducted by the EIA to fulfill its responsibilities for gathering and reporting energy data. Some of the data are collected under the authority of the Federal Energy Regulatory Commission (FERC), an independent commission within the DOE, which has jurisdiction primarily in the regulation of electric utilities and the interstate natural gas industry. Geographic coverage is the 50 States and the District of Columbia.

Explanatory Notes supplement the information found in tables of the report. A description of the data collection surveys that support the *NGM* is provided in the Data Sources section. A glossary of the terms used in this report is also provided to assist readers in understanding the data presented in this publication.

All natural gas volumes are reported at a pressure base of 14.73 pounds per square inch absolute (psia) and at 60 degrees Fahrenheit. Cubic feet are converted to cubic meters by applying a factor of 0.02831685.

# Common Abbreviations Used in the Natural Gas Monthly

| | |
|---|---|
| AGA | American Gas Association |
| Bbl | Barrels |
| BLS | Bureau of Labor Statistics, U.S. Department of Labor |
| Bcf | Billion Cubic Feet |
| BOM | Bureau of Mines, U.S. Department of the Interior |
| Btu | British Thermal Unit |
| DOE | U.S. Department of Energy |
| DOI | U.S. Department of the Interior |
| EIA | Energy Information Administration, U.S. Department of Energy |
| FERC | Federal Energy Regulatory Commission |
| IOGCC | Interstate Oil and Gas Compact Commission |
| LNG | Liquefied Natural Gas |
| Mcf | Thousand Cubic Feet |
| MMBtu | Million British Thermal Units |
| MMcf | Million Cubic Feet |
| MMS | United States Minerals Management Service, U.S. Department of the Interior |
| NGL | Natural Gas Liquids |
| OCS | Outer Continental Shelf |
| STIFS | Short-Term Integrated Forecasting System |
| STEO | Short Term Energy Outlook |
| Tcf | Trillion Cubic Feet |

# Contents



## Tables

## Figures

# Highlights

## Overview

This issue of the *Natural Gas Monthly* contains estimates of natural gas data through April 2000 for many data series at the national level. Estimates of natural gas prices are available through January 2000 for most series. A recap of the 1999-2000 heating season is also provided, discussing the effect that temperatures had on natural gas demand and prices. Highlights of the data estimates contained in this issue are:

The cumulative daily rate of production for the first 4 months of 2000 is estimated to be 52.0 billion cubic feet per day, only slightly above the comparable 1999 rate of 51.8 billion cubic feet per day. Net imports showed a 2-percent increase over 1999 as they reached 9.3 billion cubic feet per day during this same period.

After the warmest winter in recorded history, working gas in underground storage at the end of April 2000 is estimated to be 1,150 billion cubic feet, the lowest level of working gas for the first month of the storage refill season since the end of April 1993.

During January through April 2000, average daily end-use consumption of natural gas is estimated to be 70.6 billion cubic feet per day, 1 percent below the daily rate for the same period in 1999. Declines in the residential and commercial sectors were offset by increases in the industrial sector.

Estimates of the price paid for natural gas in the electric utility sector are now available through December 1999. The average price paid for the year was $2.56 per thousand cubic feet, 7 percent higher than in 1998.

## Supply

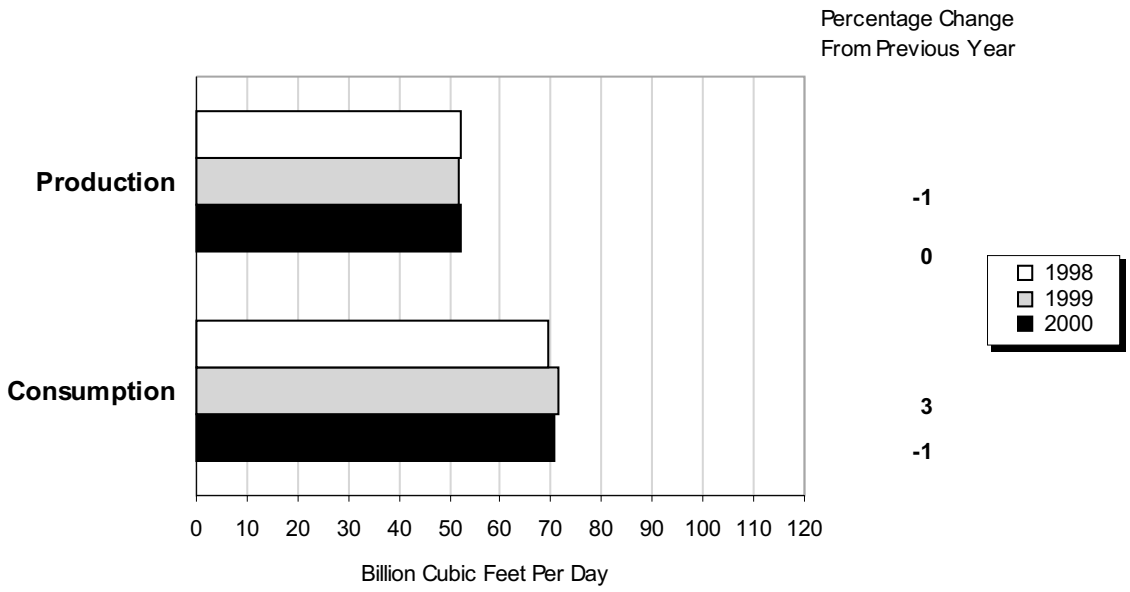
Cumulatively for January through April 2000, both dry production and net imports of natural gas are close to the levels seen in 1999. Cumulative dry production is estimated to be 6,291 billion cubic feet or 52.0 billion cubic feet per day, compared with 51.8 billion cubic feet per day in 1999 (Table 1). Cumulative net imports are estimated to be 1,128 billion cubic feet or 9.3 billion cubic feet per day, 2 percent more than the 9.2 billion cubic feet per day seen in 1999 (Table 2).

Estimated dry production in April 2000 is 1,551 billion cubic feet or 51.7 billion cubic feet per day. This is just below the rate of 52.0 billion cubic feet per day in March 2000. In March 1999, daily production was also 52.0 billion cubic feet per day, but there was a larger drop to the April 1999 level of 51.0 billion cubic feet per day.

Net imports of natural gas continue to grow compared with levels of the previous 2 years. Net imports in April 2000 are estimated to be 277 billion cubic feet, 4 percent higher than in April 1999 and 15 percent higher than in April 1998. The daily rate of net imports in April 2000 is 9.2 billion cubic feet per day, compared with 9.4 billion cubic feet per day seen in March 2000.

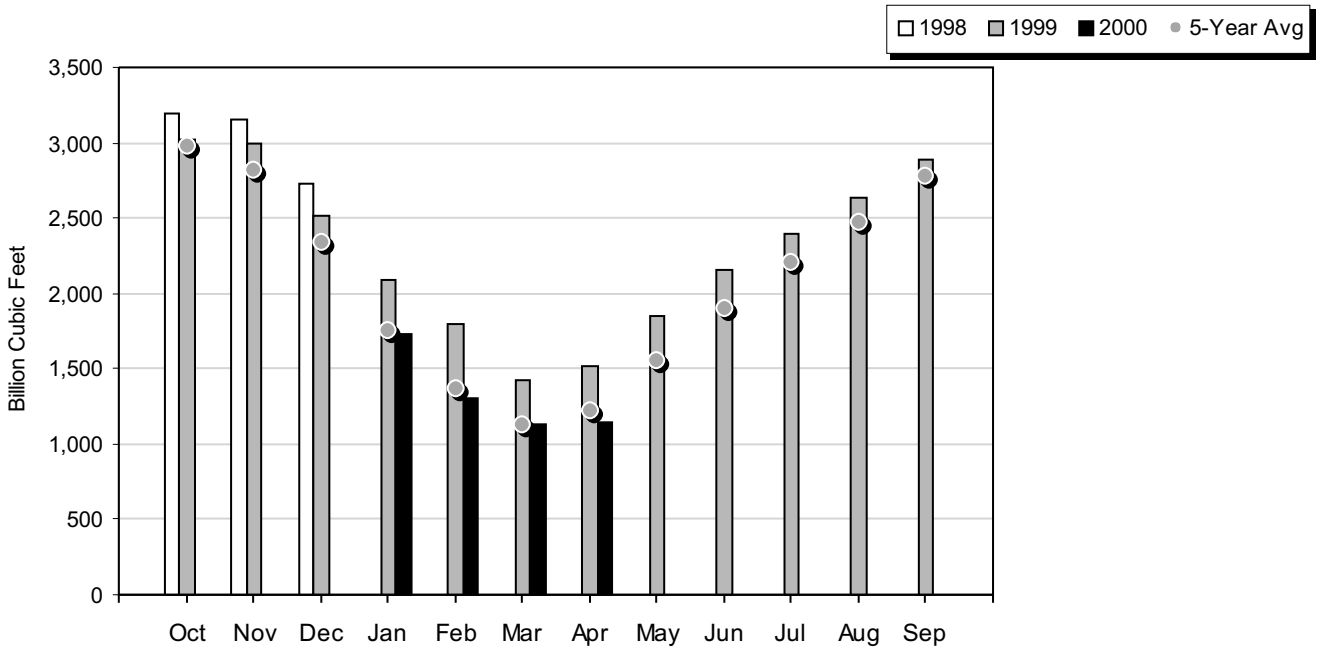
After the warmest winter in recorded history, working gas in underground storage at the end of April 2000 is estimated to be 1,150 billion cubic feet (Table 10). Storage levels during April, the first month of the storage refill season, have varied greatly during the past several years. The amount of working gas in storage at the end of April 2000 was 24 percent less than in April 1999 and 17 percent less than in April 1998; however, it was 9 percent higher than in April 1997 and 35 percent higher than the 854 billion cubic feet of working gas at the end of April 1996. Net injections of natural gas into storage are estimated to be 25 billion cubic feet during April 2000, 66 billion cubic feet less than in April 1999. Further information about natural gas storage during the 1999-2000 heating season is discussed in the section, “Recap of the 1999-2000 Heating Season.”

**Figure HI1. Average Daily Rate of Natural Gas Production and Consumption, January-April, 1998-2000**




**Source:** Table 2.

**Figure HI2. Working Gas in Underground Storage in the United States, 1998-2000**




**Note:** The 5-year average is calculated using the latest available monthly data. For example, the December average is calculated from December storage levels for 1995 to 1999 while the January average is calculated from January levels for 1996 to 2000. Data are reported as of the end of the month, thus October data represent the beginning of the heating season.

**Source:** Form EIA-191, "Underground Natural Gas Storage Report," Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition," and Short-Term Integrated Forecasting System.

## End-Use Consumption

Cumulatively for January through April 2000, end-use consumption of natural gas is estimated to be 8,539 billion cubic feet or 70.6 billion cubic feet per day, only 1 percent below the daily rate for the first 4 months of 1999 (Table 3). Consumption fell in the residential and commercial sectors, but increased in the industrial sector.

The residential and commercial sectors are highly responsive to weather-related space-heating requirements. Cumulative residential consumption during January through April 2000 is estimated to be 2,572 billion cubic feet or 21.3 billion cubic feet per day, 4 percent lower than the daily rate for the same period in 1999. Although some areas of the country experienced periods of cold temperatures during January and February, overall the first 3 months of the year were warmer than normal and warmer than the first quarter of 1999 (Table 26). Residential consumption in April 2000 is estimated to be 398 billion cubic feet, 5 percent less than a year ago. Consumption also declined in the commercial sector, although by a much smaller amount. Cumulative commercial consumption from January through April is estimated to be 12.5 billion cubic feet per day, 1 percent lower than the comparable 1999 daily rate of 12.7 billion cubic feet.

The daily rate of natural gas industrial consumption was 25.1 billion cubic feet for January through April 2000 compared with 24.3 billion cubic feet per day during the first 4 months of 1999, an increase of 3 percent. Data for the electric utility sector are available only through January 2000. Consumption in this sector rose in January to 190 billion cubic feet, 9 percent more than the previous month and 6 percent above the January 1999 level. This increase occurred despite an increase in the natural gas wellhead price, which rose by 4 percent from December 1999 to reach $2.12 per thousand cubic feet in January 2000.

## Prices

The monthly average wellhead price for natural gas generally rose during 1999, peaking at $2.44 per thousand cubic feet in November (Table 4). The wellhead price has been significantly lower since then, averaging an estimated $2.03 per thousand cubic feet in December 1999 and $2.12 per thousand cubic feet in January 2000. However, the price in January 2000 is 18 percent higher than that of January 1999 (Figure HI4).

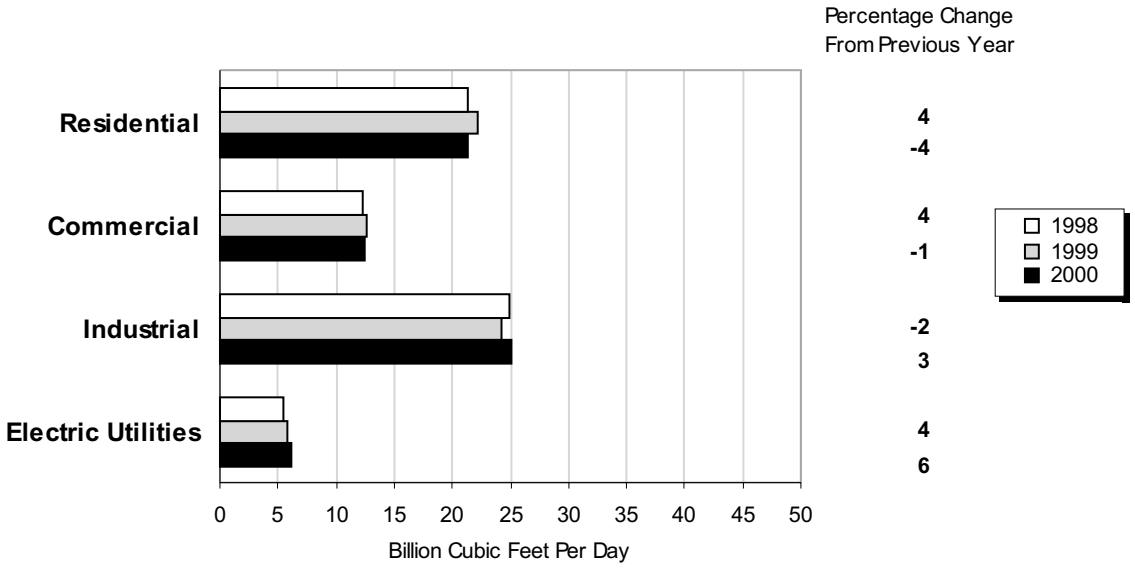
Estimates of average residential prices for natural gas have declined steadily from a high of $8.88 per thousand cubic feet in August 1999 to $6.17 per thousand cubic feet in January 2000. In the residential sector, fixed costs account for a large proportion of the average price paid for natural gas. As space-heating needs increase during the winter, the fixed costs are spread out over a larger volume of consumed gas, and the *average cost per unit of gas* declines. Although prices have been lower in recent months, higher residential consumption during these winter months results in higher total expenditures for natural gas compared with the summer. For example, consumption of 878 billion cubic feet in January 2000 resulted in total expenditures in January 2000 of $5.4 billion, compared with $1.0 billion in August 1999 when only 117 billion cubic feet of gas was consumed.

The average price paid for natural gas by residential users in January 2000 was 3 percent higher than in January 1999. In the commercial sector, the estimated price[1] paid for natural gas in January 2000 was $5.06 per thousand cubic feet, just $0.02 below that of January 1999. The estimated price paid by industrial users in January 2000 was $2.99 per thousand cubic feet, 3 percent lower than in January 1999.

Estimates of the price paid for natural gas in the electric utility sector are now available through December 1999. The December price was $2.63 per thousand cubic feet, 13 percent lower than in November 1999, but 18 percent higher than in December 1998. Prices during 1999 were higher than in 1998 in every month beginning in June. The difference ranged from 27 to 33 percent from August through November. The average price paid for the year 1999 was $2.56 per thousand cubic feet, 7 percent higher than in 1998.

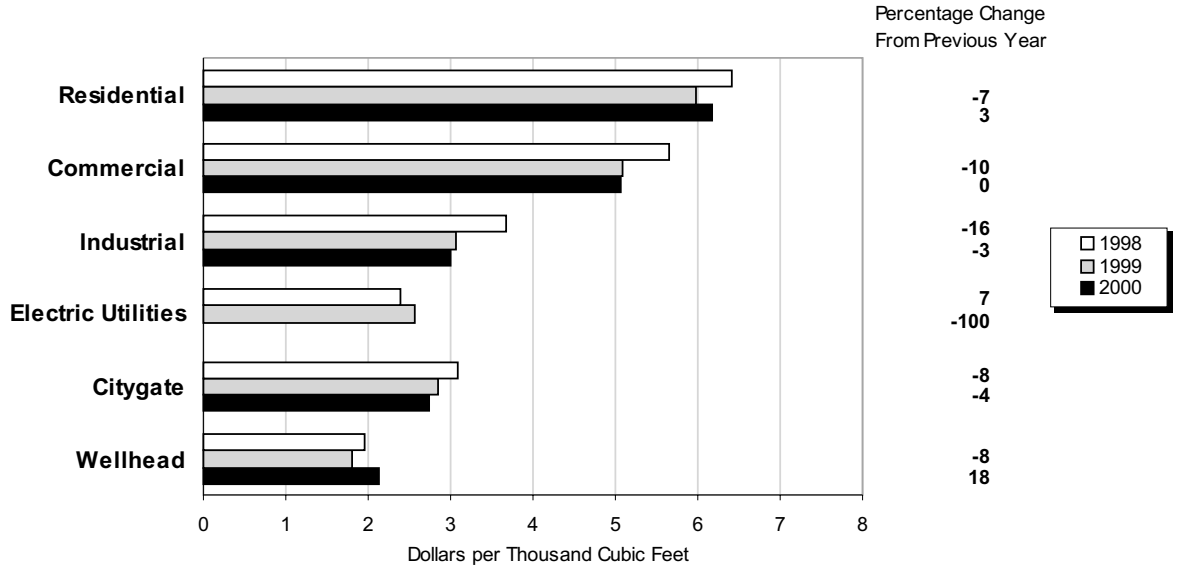
1 End-use prices in the residential, commercial, and industrial sectors are for onsystem gas sales only. While monthly onsystem sales are nearly 100 percent of residential deliveries, in 1999 they were 65 percent of commercial deliveries and only 17 percent of industrial deliveries (Table 4).

**Figure HI3. Average Daily Rate of Natural Gas Deliveries to Consumers, January-April, 1998-2000**



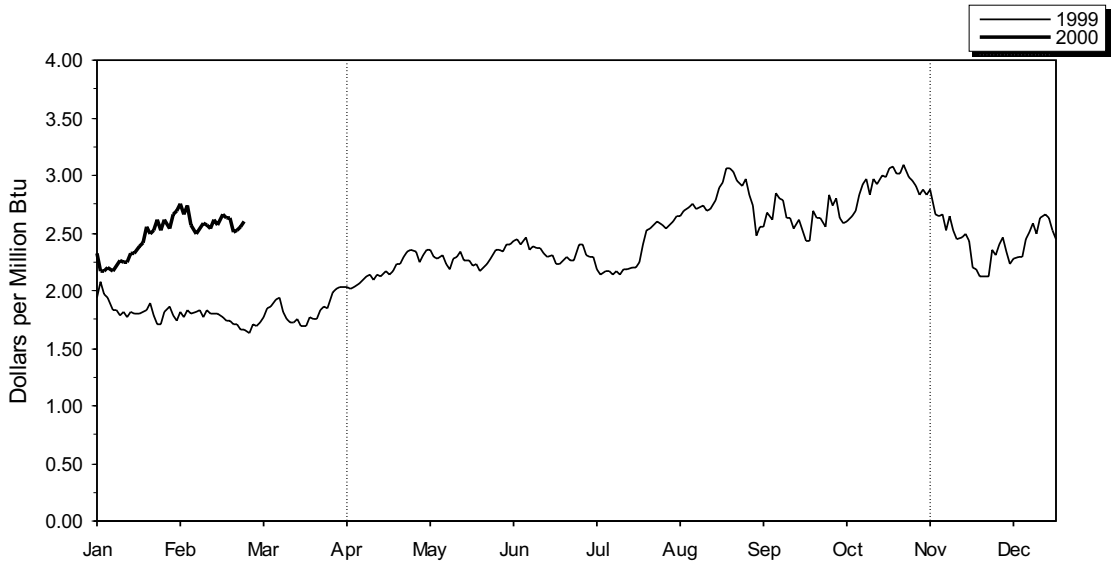

**Note:** Electric utilities reflect deliveries for January only.
**Source:** Table 3.

**Figure HI4. Average Delivered and Wellhead Natural Gas Prices, January, 1998-2000**




**Note:** Commercial and industrial average prices reflect onsystem sales only. The reporting of electric utility prices is 1 month behind the reporting of other prices.
**Source:** Table 4.

**Figure HI5. Daily Futures Settlement Prices at the Henry Hub**




**Note:** The futures price is for the near-month contract, that is, for the next contract to terminate trading. Contracts are traded on the New York Mercantile Exchange. April 1 is the beginning of the natural gas storage refill season. November 1 is the beginning of the heating season.
**Source:** Commodity Futures Trading Commission, Division of Economic Analysis.

More recent data on natural gas prices at the Henry Hub show that both daily futures settlement prices and daily average spot price generally have increased since early January 2000. Both the near-month futures and spot prices have been above $3.00 per million Btu since the second week of April 2000.[2] Somewhat cooler-than-normal temperatures in the Midwest and Northeast during April 2000 led to net storage withdrawals of 4 billion cubic feet during the first 3 weeks of the month according to the American Gas Association[3]—an unusual situation for April, which is classified as the first month of the storage refill season. The futures contract for May delivery closed on April 26, 2000, settling at $3.089 per million Btu, $0.741 (32 percent) higher than the closing price of the May 1999 contract (Figure HI5). As with the expiration of the April 2000 contract, this was the highest price for this calendar month since the futures market opened in 1991.

## Recap of the 1999-2000 Heating Season

### *Prices rise despite record warm temperatures*

The past winter was highlighted by record warmer-than-normal temperatures contrasted with strong demand for natural gas and sharp increases in petroleum product prices that contributed to generally increasing prices for natural gas. According to the National Weather Service (NWS), the heating season (November to March) had 14 percent lower-than-normal heating degree days (HDD) in the lower 48 states. The overall warmer-than-normal winter weather was punctuated by a period of very cold temperatures in the some parts of the Midwest and much of the Northeast. The period of low temperatures in the Northeast strained markets in that region and saw prices rise sharply for more than 2 weeks in January and

2 The near-month futures settlement price was $3.021 per million Btu on April 12, 2000 and the average spot price was $3.05 per million But on April 13, 2000.

3 Energy Information Administration, *Natural Gas Weekly Market Update*. http://www.eia.doe.gov (May 1, 2000).

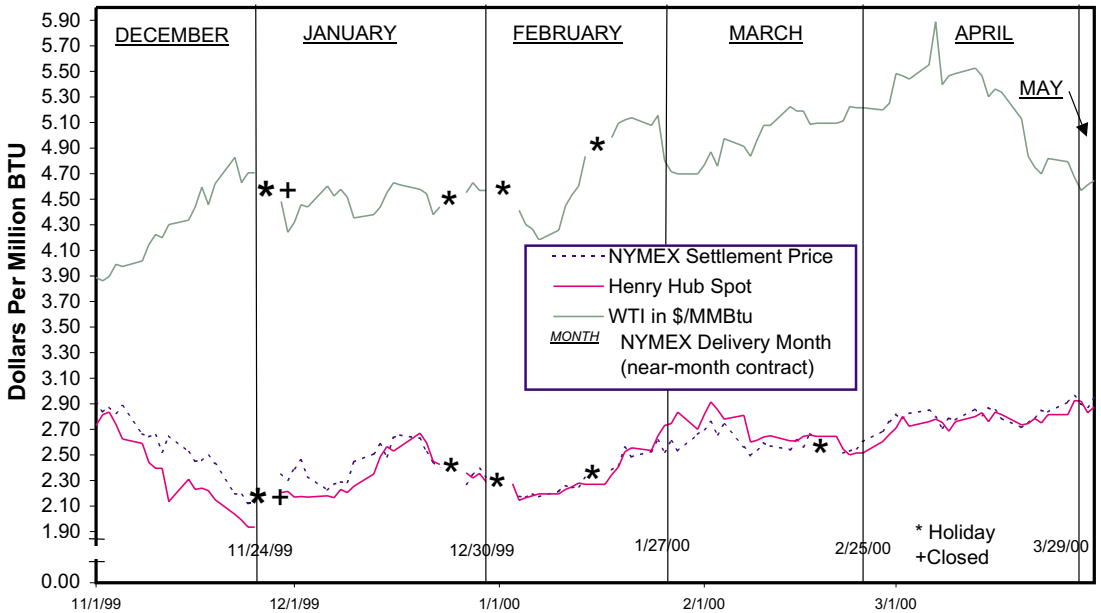
early February. Even with the overall generally mild temperatures for much of the winter, demand for natural gas remained strong throughout the season as the continued expansion in the United States economy utilized a growing amount of energy resources. Compared with the previous winter, consumption in both the commercial and industrial sectors grew by about 2 percent while in the residential sector the lowered space-heating demand reduced consumption nationally by 3 percent (Table 3). Also during this period, net imports increased 7 percent compared to the same time last year and reached a record monthly high of 305 billion cubic feet (Bcf) in January (Table 2).

Mild temperatures in November 1999 got the heating season off to an unseasonably warm start, resulting in HDD's that were more than 19 percent below normal for the month (Table 26). However, as has been the case in 3 of the last 4 years, some of the highest wellhead prices of the year prevailed during the fall primarily because of concerns about domestic gas supplies. In October and November average natural gas prices at the wellhead were $2.31 and $2.44 per thousand cubic feet (Mcf) (Table 4). Prices did move down in December to $2.03 per Mcf then rose to $2.12 per Mcf in January. Based on futures contract closing prices for February and March, this decline was short-lived as prices on the NYMEX for those months were $2.61 and $2.60 per million Btu (MMBtu), respectively. Also during this period, the impact of OPEC's April 1999 agreement on reductions in production quotas began to affect world oil prices significantly. In the United States, the price of West Texas Intermediate (WTI) crude oil moved up steadily to more than double the price from last year, and in January and February was trading above $28.00 per barrel most days or over $4.80 per MMBtu. Prices at most major natural gas spot market locations during the first quarter of 2000 were reported in industry publications to have also moved up steadily during this time. At the Henry Hub in Louisiana, prices ranged between $2.25 and $2.90 per MMBtu during this period. In addition, in contrast to the previous 3 winters beginning in 1997, prices remained relatively high in the last 2 months of the heating season and have continued to move up in April. This is another indiction of the continued strong demand for natural gas. (The spot market and NYMEX futures prices along with the WTI are tracked daily and reported weekly in the Energy Information Administration's (EIA) *Natural Gas Weekly Market Update* (NGW) in the following graph.)

### *Warmest winter in 105 years still had some cold regional weather*

The National Oceanic and Atmospheric Administration (NOAA) reported in early April that this past

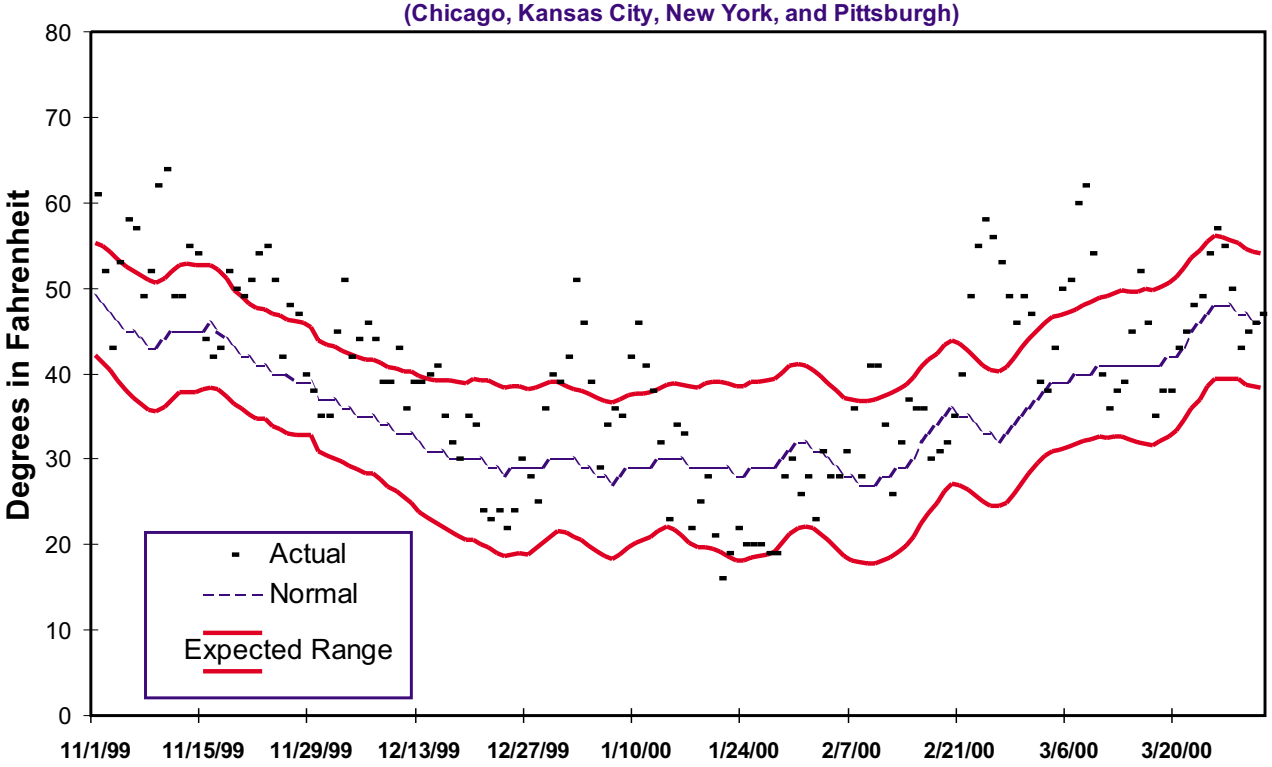
**NYMEX Futures, Henry Hub Spot, and WTI* Spot Prices**




Note: The Henry Hub spot price is from the GAS DAILY and is the midpoint of their high and low price for a day. The WTI price, in dollars per barrel, is the "sell price" from the GAS DAILY, and is converted to $/MMBtu using a conversion factor of 5.80 MMBtu per barrel. The dates marked by vertical lines are the NYMEX near-month contract settlement dates. * WTI - West Texas Intermediate daily crude oil price.

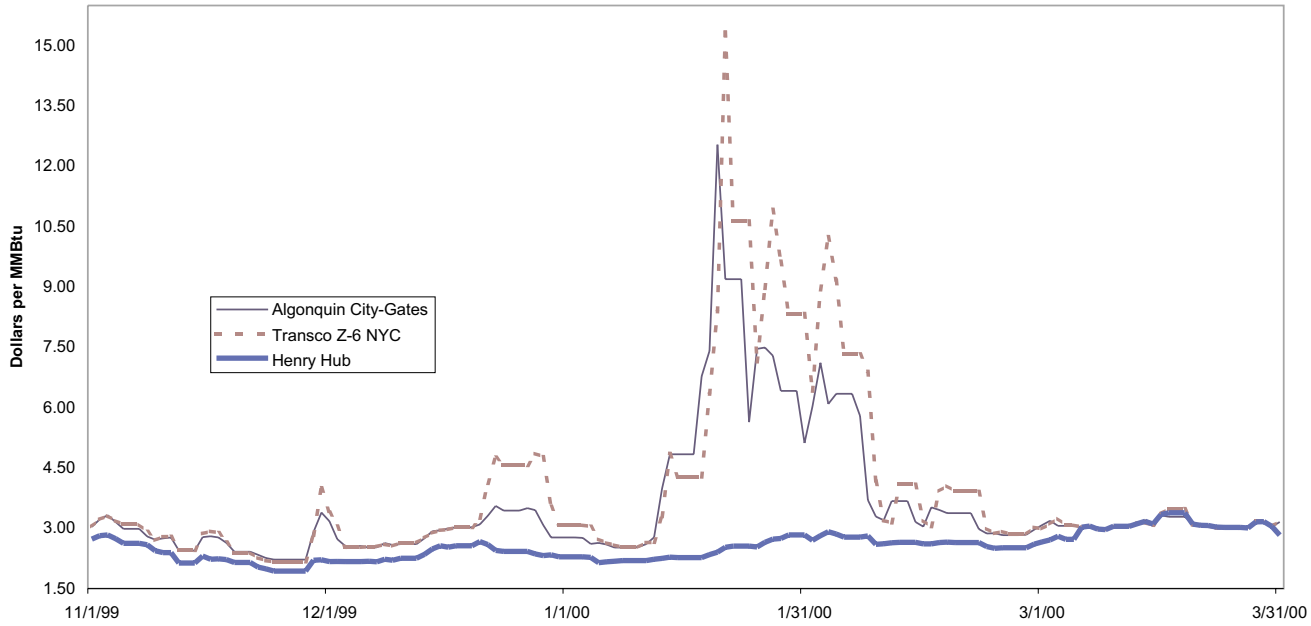
## Average Temperature for Four Major Gas Consuming Metro Areas

(Chicago, Kansas City, New York, and Pittsburgh)




The bounds are computed by adding and subtracting from the average temperatures for the last 10 years an amount equal to twice an estimate of the standard deviation for temperatures on a day.

## Regional Spot Market Prices Winter 1999-2000




Source: Midpoint of prices in the GAS DAILY (November '99 - March '00).

winter, which had a national average temperature of over 47 degrees Fahrenheit, was the warmest since the government began keeping records 105 years ago. For the second winter in a row, temperatures in the lower 48 states were again dominated by a large "La Nina" weather pattern in the Pacific Ocean. According to National Weather Service data, the generally mild temperatures nationally resulted in HDD's that were 6 percent lower than last winter and 14 percent below normal.

However, from mid-January to early February, the Northeast did have a period of severe weather in which daytime highs between 10 and 20 degrees lingered for over a week in many areas and resulted in increased demand for space-heating fuels. In some Northeast states residential natural gas consumption in January increased by 5 percent compared to the previous January. The composite average temperatures in four major gas-consuming metropolitan areas monitored by EIA's NGW were below average for most days during a 3-week period. This contrasts sharply with the relatively balmy weather in most of November and December, early January, and much of February and March.

### *Some regional spot market prices rose sharply*

Prices at markets and city-gates located in the Northeast moved up sharply in response to the period of low temperatures and increased demand in January and February. Several pipeline companies also issued operational flow orders at locations serving the Northeast that contributed to raising spot market prices in the region. Spot prices at markets that serve the large Northeast urban areas exceeded $10.00 per MMBtu in late January. In the Midwest, where the low temperatures did not last as long, prices at the Chicago spot markets also moved up during this period but peaked at a much lower level of about $2.90 per MMBtu. A key factor in why prices at Chicago city-gate markets remained below $3.00 per MMBtu in January and February is the Midwest's significantly larger pipeline transportation capacity compared to markets in the Northeast.

This limited pipeline capacity in the Northeast affected operations at Transco Zone 6 (Z-6) in New Jersey, which serves New York City. Prices at Z-6 peaked at levels over $15.00 per MMBtu and traded between $8.00 to $10.00 for several days during the period. At the Algonquin Pipeline city-gates, which serve the Boston area, prices peaked above $12.00 per MMBtu in the third week of January; but after temperatures had moderated, industry publications reported prices had declined to less than $3.25 per MMBtu by mid-February. At the Henry Hub, spot market prices moved up during this period and traded above $2.90 per MMBtu for several days. The cost for other space-heating fuels also increased dramatically in the Northeast during this time. Home heating oil, which is widely used in much of New York and New England, reached prices above $2.25 per gallon in some Northeast markets or over $16.25 per MMBtu. Propane, which is used as a peaking fuel by local distribution companies and in rural areas for heating, moved up close to $1.40 per gallon at the retail level or about $10.00 per MMBtu.

### *Storage withdrawals increased 14 percent*

Net withdrawals during the 1999-2000 heating season are estimated by EIA to have been 1,954 Bcf or 14 percent more than last year's 1,719 Bcf (Table 9). This is the highest total since the winter of 1995-96, which had a stock drawdown of 2,324 Bcf as a result of HDD's that were almost 4 percent higher than normal. The cold weather in the Midwest and Northeast early in the year saw net withdrawals from storage for January exceed the previous single month record by almost 30 Bcf as 780 Bcf was taken from storage to meet demand. The Consuming East region reported net withdrawals of 527 Bcf or 67 percent of the January total ( Table 13). As the cold weather carried over into the first week of February, net withdrawals are estimated nationally to have totaled 454 Bcf or 121 Bcf more than in the same month last year. The relatively high prices that continued throughout most of the heating season probably contributed to the increased utilization of storage during a generally warmer-than-normal winter. EIA estimates that end-of-March stocks were 1,125 Bcf. In order to reach the previous 5-year (1995-99) average of 2,985 Bcf on November 1, 2000, it appears that the industry will need to have a stock build of 1,860 Bcf during the 7-month refill season (April through October).

# Table 1. Summary of Natural Gas Production in the United States, 1994-2000

(Billion Cubic Feet)

| Year and Month | Gross Withdrawals | Repressuring | Nonhydrocarbon Gases Removed[a] | Vented and Flared | Marketed Production (Wet) | Extraction Loss[b] | Dry Gas Production[c] |
|---|---|---|---|---|---|---|---|
| **1994 Total** | **23,581** | **3,231** | **412** | **228** | **19,710** | **889** | **18,821** |
| **1995 Total** | **23,744** | **3,565** | **388** | **284** | **19,506** | **908** | **18,599** |
| **1996 Total** | **24,114** | **3,511** | **518** | **272** | **19,812** | **958** | **18,854** |
| **1997 Total** | **24,213** | **3,492** | **599** | **256** | **19,866** | **964** | **18,902** |
| **1998** | | | | | | | |
| January | 2,093 | 307 | 48 | 19 | 1,719 | 82 | 1,637 |
| February | 1,877 | 291 | 49 | 17 | 1,520 | 73 | 1,448 |
| March | 2,081 | 310 | 51 | 20 | 1,700 | 81 | 1,619 |
| April | 1,994 | 284 | 50 | 20 | 1,640 | 78 | 1,562 |
| May | 2,035 | 266 | 47 | 16 | 1,705 | 81 | 1,624 |
| June | 1,975 | 271 | 49 | 21 | 1,634 | 78 | 1,556 |
| July | 2,002 | 265 | 51 | 20 | 1,666 | 80 | 1,586 |
| August | 2,024 | 273 | 53 | 20 | 1,678 | 80 | 1,598 |
| September | 1,874 | 276 | 51 | 20 | 1,527 | 73 | 1,454 |
| October | 2,026 | 297 | 58 | 21 | 1,650 | 79 | 1,571 |
| November | 1,954 | 292 | 52 | 20 | 1,591 | 76 | 1,515 |
| December | 1,988 | 302 | 51 | 20 | 1,615 | 77 | 1,538 |
| **Total** | **23,924** | **3,433** | **611** | **234** | **19,646** | **938** | **18,708** |
| **1999** | | | | | | | |
| January | RE2,091 | E317 | E58 | E20 | RE1,696 | E82 | RE1,613 |
| February | RE1,882 | E274 | E54 | E18 | RE1,536 | RE75 | RE1,462 |
| March | RE2,080 | E307 | E59 | E21 | RE1,693 | E82 | RE1,611 |
| April | RE1,960 | E289 | E42 | E21 | RE1,608 | E78 | RE1,530 |
| May | RE1,998 | E264 | E44 | E21 | RE1,669 | E81 | RE1,588 |
| June | RE1,963 | E279 | E43 | E21 | RE1,620 | E79 | RE1,542 |
| July | RE1,995 | E283 | E44 | E21 | RE1,647 | E80 | RE1,568 |
| August | RE1,974 | E282 | E42 | E20 | RE1,631 | RE79 | RE1,552 |
| September | RE1,924 | E262 | E43 | RE22 | RE1,597 | RE77 | RE1,520 |
| October | RE2,038 | E325 | E45 | E23 | RE1,645 | RE80 | RE1,565 |
| November | RE1,986 | E313 | E43 | RE22 | RE1,609 | E78 | RE1,531 |
| December | RE2,063 | RE337 | RE44 | RE23 | RE1,658 | RE80 | RE1,577 |
| **Total** | **RE23,955** | **RE3,531** | **E561** | **RE253** | **RE19,610** | **RE951** | **RE18,659** |
| **2000** | | | | | | | |
| January | RE2,122 | RE340 | E46 | RE24 | E1,712 | E83 | E1,629 |
| February | E1,953 | E313 | E43 | E22 | E1,576 | E76 | E1,500 |
| ***March(STIFS)*** | NA | NA | NA | NA | E1,692 | E81 | E1,611 |
| ***April(STIFS)*** | NA | NA | NA | NA | E1,630 | E79 | E1,551 |
| **2000 YTD** | NA | NA | NA | NA | **E6,610** | **E320** | **E6,291** |
| **1999 YTD** | **E8,014** | **E1,187** | **E213** | **E81** | **E6,532** | **E317** | **E6,216** |
| **1998 YTD** | **8,045** | **1,191** | **199** | **76** | **6,580** | **314** | **6,266** |

[a] See Appendix A, Explanatory Note 1, for a discussion of data on Nonhydrocarbon Gases Removed.

[b] Extraction loss is only collected on an annual basis. Annually it is between 4 and 5 percent of marketed production. Monthly extraction loss is estimated from monthly marketed production by assuming that the preceding annual percentage remains constant for the next twelve months.

[c] Equal to marketed production (wet) minus extraction loss.

E Estimated Data.

RE Revised Estimated Data.

NA Not Available.

**Notes:** Data for 1994 through 1998 are final. All other data are preliminary unless otherwise indicated and contain estimates for selected States (see Table 7). Estimates for the most recent two months are derived from the Short-Term Integrated Forecasting System (STIFS). Geographic coverage is the 50 States and the District of Columbia. Totals may not equal sum of components because of independent rounding.

**Sources:** 1994-1998: Energy Information Administration (EIA), *Natural Gas Annual 1998.* January 1999 through current month: Form EIA-895, "Monthly Quantity of Natural Gas Report," STIFS, and EIA estimates. See Appendix A, Explanatory Notes 1, 3, and 6, for discussion of computation and estimation procedures and revision policies.

Table 2

# Table 2. Supply and Disposition of Dry Natural Gas in the United States, 1994-2000

(Billion Cubic Feet)

| Year and Month | Dry Gas Production | Supplemental Gaseous Fuels[a] | Net Imports | Net Storage Withdrawals[b] | Balancing Item[c] | Consumption[d] |
|---|---|---|---|---|---|---|
| **1994 Total** | **18,821** | **111** | **2,462** | **-286** | **-400** | **20,708** |
| **1995 Total** | **18,599** | **110** | **2,687** | **415** | **-230** | **21,581** |
| **1996 Total** | **18,854** | **109** | **2,784** | **2** | **217** | **21,967** |
| **1997 Total** | **18,902** | **103** | **2,837** | **24** | **92** | **21,959** |
| **1998** | | | | | | |
| January | 1,637 | 11 | 270 | 486 | -2 | 2,401 |
| February | 1,448 | 9 | 240 | 301 | 114 | 2,111 |
| March | 1,619 | 10 | 244 | 255 | -4 | 2,123 |
| April | 1,562 | 8 | 240 | -206 | 102 | 1,705 |
| May | 1,624 | 7 | 242 | -402 | 29 | 1,500 |
| June | 1,556 | 6 | 230 | -336 | 6 | 1,462 |
| July | 1,586 | 8 | 255 | -326 | 49 | 1,572 |
| August | 1,598 | 8 | 264 | -286 | -1 | 1,583 |
| September | 1,454 | 7 | 250 | -231 | -10 | 1,471 |
| October | 1,571 | 8 | 253 | -269 | -81 | 1,482 |
| November | 1,515 | 10 | 246 | 32 | -85 | 1,717 |
| December | 1,538 | 11 | 259 | 452 | -131 | 2,129 |
| **Total** | **18,708** | **102** | **2,993** | **-530** | **-11** | **21,262** |
| **1999** | | | | | | |
| January | RE1,613 | E10 | 295 | 623 | R-7 | 2,534 |
| February | RE1,462 | E8 | 262 | 333 | R46 | 2,110 |
| March | RE1,611 | E8 | 276 | 297 | R-51 | 2,141 |
| April | RE1,530 | E8 | 267 | -91 | R51 | R1,765 |
| May | RE1,588 | E8 | 272 | -337 | R-12 | 1,519 |
| June | RE1,542 | E6 | 264 | -306 | R-78 | 1,428 |
| July | RE1,568 | E7 | 276 | -225 | R-114 | 1,512 |
| August | RE1,552 | E8 | E298 | -238 | R-42 | 1,577 |
| September | RE1,520 | E7 | E292 | -310 | R-67 | R1,441 |
| October | RE1,565 | E8 | 296 | -148 | R-169 | R1,552 |
| November | RE1,531 | E8 | 290 | 30 | R-167 | R1,693 |
| December | RE1,577 | E9 | E293 | 514 | R-289 | R2,105 |
| **Total** | **RE18,659** | **E95** | **E3,381** | **141** | **R-898** | **R21,378** |
| **2000** | | | | | | |
| January | E1,629 | E8 | RE305 | 780 | R-194 | 2,530 |
| February | E1,500 | E8 | E255 | 454 | E32 | E2,248 |
| ***March(STIFS)*** | E1,611 | E9 | E291 | RE175 | RE-65 | RE2,021 |
| ***April(STIFS)*** | E1,551 | E8 | E277 | E-25 | E-72 | E1,740 |
| **2000 YTD** | **E6,291** | **E34** | **E1,128** | **E1,384** | **E-299** | **E8,539** |
| **1999 YTD** | **E6,216** | **E34** | **1,100** | **1,162** | **39** | **8,551** |
| **1998 YTD** | **6,266** | **37** | **993** | **836** | **210** | **8,341** |

[a] Supplemental gaseous fuels data are only collected on an annual basis except for the Dakota Gasification Inc. coal gasification facility which provides data each month. The ratio of annual supplemental fuels (excluding Dakota Gasification Inc.) to the sum of dry gas production, net imports, and net withdrawals from storage is calculated. This ratio, which varies between .0022 and .0037, is applied to the monthly sum of these three elements. The Dakota Gasification Inc. monthly value is added to the result to produce the monthly supplemental fuels estimate.

[b] Monthly and annual data for 1994 through 1998 include underground storage and liquefied natural gas storage. Data for January 1999 forward include underground storage only. See Appendix A, Explanatory Note 7 for discussion of computation procedures.

[c] Represents quantities lost and imbalances in data due to differences among data sources. See Appendix A, Explanatory Note 9, for full discussion.

[d] Consists of pipeline fuel use, lease and plant fuel use, vehicle fuel, and deliveries to consuming sectors as shown in Table 3.

[R] Revised Data.

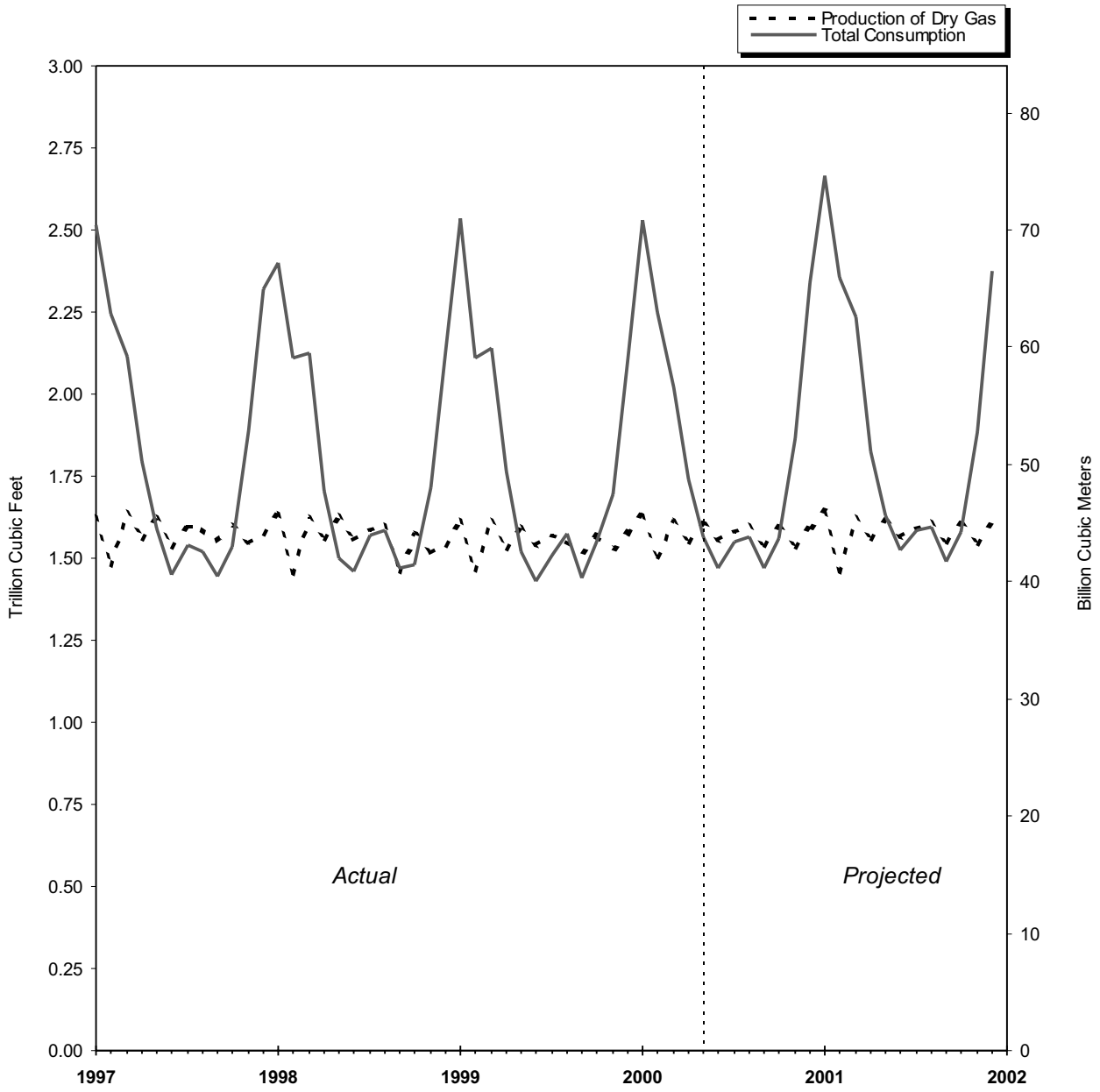
[E] Estimated Data.

[RE] Revised Estimated Data.

**Notes:** Data for 1994 through 1998 are final. All other data are preliminary unless otherwise indicated. Estimates for the most recent two months are derived from the Short-Term Integrated Forecasting System (STIFS). Geographic coverage is the 50 States and the District of Columbia. Totals may not equal sum of components because of independent rounding.

**Sources:** 1994-1998: Energy Information Administration (EIA), *Natural Gas Annual 1998*. January 1999 through current month: EIA, Form EIA-895, Form EIA-857, Form EIA-191, EIA computations, and estimates, Short-Term Integrated Forecasting System (STIFS) computations, and Office of Fossil Energy, Natural Gas Imports and Exports. See Appendix A for discussion of computation and estimation procedures and revision policies.

## Figure 1. Production and Consumption of Natural Gas in the United States, 1997-2001




**Sources:** 1997 through the current month: Table 2. Projected data: Energy Information Administration, *Short-Term Energy Outlook*.

Table 3

# Table 3. Natural Gas Consumption in the United States, 1994-2000

(Billion Cubic Feet)

| Year and Month | Lease and Plant Fuel[a] | Pipeline Fuel[b] | Delivered to Consumers | | | | | Total Consumption |
|---|---|---|---|---|---|---|---|---|
| | | | Residential | Commercial [c] | Industrial | Electric Utilities | Total | |
| **1994 Total** | **1,124** | **685** | **4,848** | **2,897** | **8,167** | **2,987** | **18,899** | **20,708** |
| **1995 Total** | **1,220** | **700** | **4,850** | **3,034** | **8,580** | **3,197** | **19,660** | **21,581** |
| **1996 Total** | **1,250** | **711** | **5,241** | **3,161** | **8,870** | **2,732** | **20,006** | **21,967** |
| **1997 Total** | **1,203** | **751** | **4,984** | **3,219** | **8,832** | **2,968** | **20,004** | **21,959** |
| **1998** | | | | | | | | |
| January | 101 | 73 | 812 | 451 | 793 | 171 | 2,227 | 2,401 |
| February | 90 | 64 | 692 | 393 | 739 | 134 | 1,957 | 2,111 |
| March | 101 | 64 | 648 | 367 | 750 | 194 | 1,959 | 2,123 |
| April | 97 | 51 | 408 | 256 | 704 | 190 | 1,558 | 1,705 |
| May | 99 | 44 | 221 | 170 | 676 | 290 | 1,357 | 1,500 |
| June | 96 | 43 | 153 | 138 | 654 | 379 | 1,323 | 1,462 |
| July | 97 | 47 | 132 | 142 | 704 | 449 | 1,428 | 1,572 |
| August | 98 | 47 | 117 | 144 | 719 | 457 | 1,438 | 1,583 |
| September | 90 | 44 | 121 | 140 | 695 | 381 | 1,337 | 1,471 |
| October | 98 | 44 | 203 | 173 | 718 | 246 | 1,340 | 1,482 |
| November | 94 | 51 | 398 | 264 | 732 | 178 | 1,572 | 1,717 |
| December | 96 | 64 | 616 | 362 | 803 | 189 | 1,969 | 2,129 |
| **Total** | **1,157** | **635** | **4,520** | **3,005** | **8,686** | **3,258** | **19,469** | **21,262** |
| **1999** | | | | | | | | |
| January | E106 | 76 | 903 | 480 | 791 | 179 | 2,352 | 2,534 |
| February | E96 | 63 | 680 | 395 | 724 | 152 | 1,951 | 2,110 |
| March | E106 | 64 | 660 | 383 | 722 | 206 | 1,971 | 2,141 |
| April | E101 | 53 | 417 | 261 | 679 | 256 | 1,612 | R1,765 |
| May | E105 | 45 | 234 | 180 | 682 | 273 | 1,369 | 1,519 |
| June | RE101 | 43 | 155 | 144 | 661 | 324 | 1,284 | 1,428 |
| July | E103 | 45 | 128 | 140 | 660 | 436 | 1,364 | 1,512 |
| August | RE102 | 47 | 117 | 145 | 731 | 434 | 1,427 | 1,577 |
| September | RE100 | 43 | 135 | 144 | 739 | 281 | 1,298 | R1,441 |
| October | RE103 | 46 | 227 | 187 | 749 | 240 | 1,402 | R1,552 |
| November | E101 | 51 | 362 | 252 | 756 | 171 | 1,542 | R1,693 |
| December | RE104 | 63 | 648 | 355 | 760 | 175 | 1,938 | R2,105 |
| **Total** | **RE1,228** | **639** | **4,666** | **3,067** | **8,653** | **3,125** | **19,512** | **R21,378** |
| **2000** | | | | | | | | |
| January | E107 | 76 | 878 | 493 | 787 | 190 | 2,347 | 2,530 |
| ***February(STIFS)*** | E97 | E63 | E724 | E428 | E767 | NA | E2,088 | E2,248 |
| ***March(STIFS)*** | E104 | E55 | RE572 | E330 | E750 | NA | RE1,862 | RE2,021 |
| ***April(STIFS)*** | E100 | E46 | E398 | E259 | E730 | NA | E1,593 | E1,740 |
| **2000 YTD[d]** | **409** | **241** | **2,572** | **1,510** | **3,034** | **190** | **7,890** | **8,539** |
| **1999 YTD[d]** | **409** | **256** | **2,659** | **1,519** | **2,915** | **179** | **7,886** | **8,551** |
| **1998 YTD[d]** | **389** | **251** | **2,559** | **1,466** | **2,986** | **171** | **7,701** | **8,341** |

[a] Plant fuel data are only collected on an annual basis and monthly lease fuel data are only collected annually. Lease and plant fuel estimates have been between 6 and 7 percent of marketed production annually. Monthly lease and plant fuel use is estimated from monthly marketed production by assuming that the preceding annual percentage remains constant for the next twelve months.

[b] Pipeline fuel use is only collected on an annual basis. Annually it is between 3 and 4 percent of total consumption. Monthly pipeline fuel data are estimated from monthly total consumption(excluding pipeline fuel) by assuming that the preceding annual percentage remains constant for the next twelve months.

[c] Deliveries to Commercial consumers for 1994-1998 include vehicle fuel deliveries, which totaled, in billion cubic feet, 1.7 in 1994, 2.7 in 1995, 2.9 in 1996, 4.4 in 1997, and 5.1 in 1998.

[d] Year-to-date volume represents months for which volume information is available in the current year.

R Revised Data.

E Estimated Data.

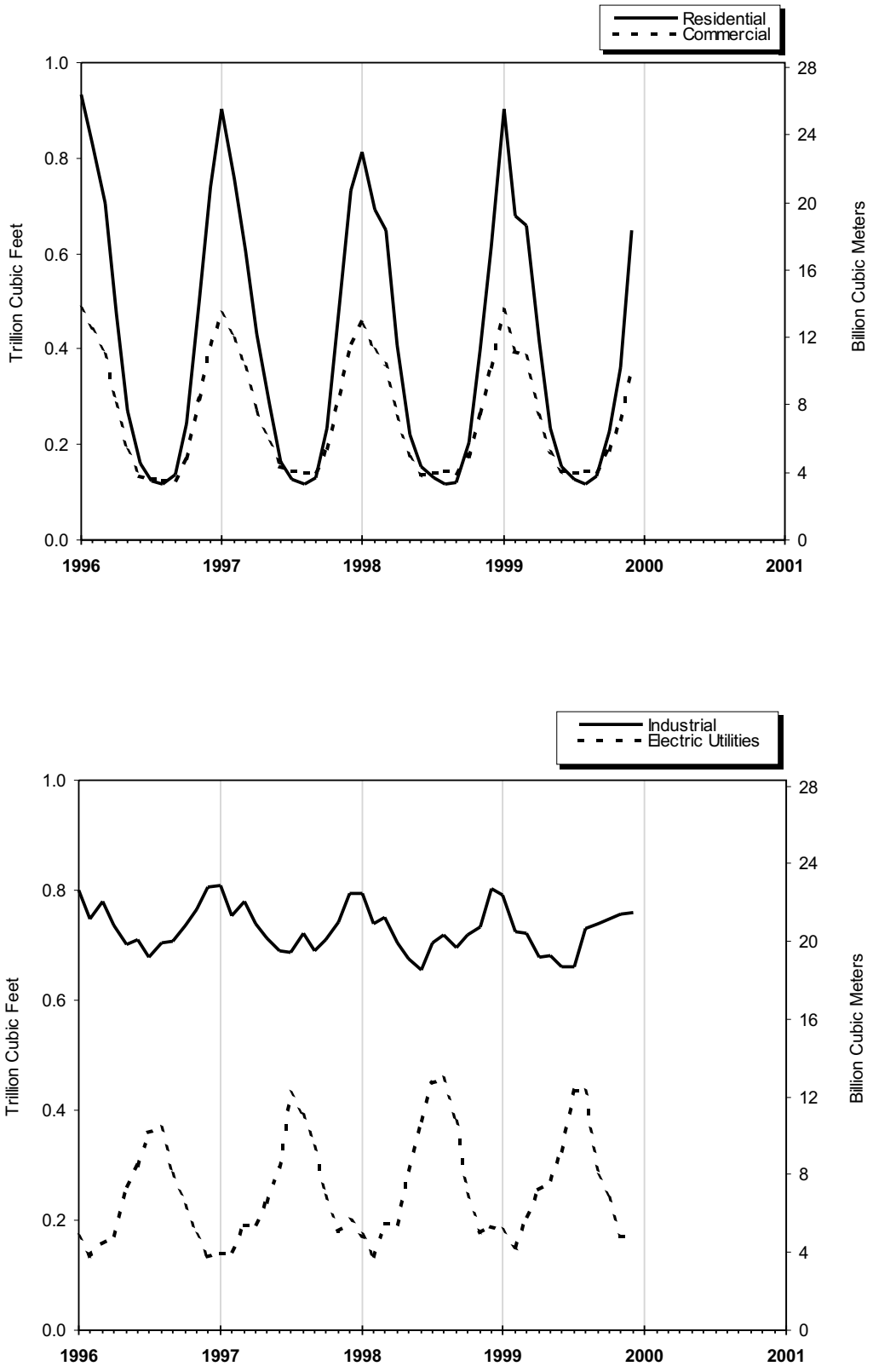
RE Revised Estimated Data.

NA Not Available.

**Notes:** Data for 1994 through 1998 are final. All other data are preliminary unless otherwise indicated. Estimates for the most recent three months are derived from the Short-Term Integrated Forecasting System (STIFS). Geographic coverage is the 50 States and the District of Columbia. Totals may not equal sum of components because of independent rounding. In 1996, consumption of natural gas for agricultural use was classified as industrial use. In 1995 and earlier years, agricultural use was classified as commercial use. See Explanatory Note 5 for further explanation.

**Sources:** 1994-1998: Energy Information Administration (EIA): Form EIA-627, "Annual Quantity and Value of Natural Gas Report," (thru 1994), Form EIA-895 "Monthly Quantity of Natural Gas Report," (1995 forward), Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers," Form EIA-759, "Monthly Power Plant Report," EIA computations, and *Natural Gas Annual 1998.* January 1999 through the current month: EIA: Form EIA-895, Form EIA-857, Form EIA-759, and STIFS computations. See Appendix A, Explanatory Note 5, for computation procedures and revision policy.

## Figure 2. Natural Gas Deliveries to Consumers in the United States, 1996-1999




**Source:** Table 3.

Table 4

# Table 4. Selected National Average Natural Gas Prices, 1994-2000

(Dollars per Thousand Cubic Feet)

| Year and Month | Wellhead Price[a] | City Gate Price | Delivered to Consumers | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Residential Price | Commercial | | Industrial | | Electric Utilities Price |
| | | | | Price | % of Total[b] | Price | % of Total[b] | |
| **1994 Annual Average** | **1.85** | **3.07** | **6.41** | **5.44** | **79.3** | **3.05** | **25.5** | **2.28** |
| **1995 Annual Average** | **1.55** | **2.78** | **6.06** | **5.05** | **76.7** | **2.71** | **24.5** | **2.02** |
| **1996 Annual Average** | **2.17** | **3.34** | **6.34** | **5.40** | **77.6** | **3.42** | **19.4** | **2.69** |
| **1997 Annual Average** | **2.32** | **3.66** | **6.94** | **5.80** | **70.8** | **3.59** | **18.1** | **2.78** |
| **1998** | | | | | | | | |
| January | 1.95 | 3.08 | 6.41 | 5.65 | 73.2 | 3.67 | 16.8 | 2.64 |
| February | 1.95 | 3.08 | 6.41 | 5.59 | 72.9 | 3.58 | 16.7 | 2.51 |
| March | 2.05 | 3.06 | 6.29 | 5.40 | 73.6 | 3.40 | 17.3 | 2.53 |
| April | 2.15 | 3.23 | 6.81 | 5.64 | 67.7 | 3.28 | 15.8 | 2.59 |
| May | 2.04 | 3.12 | 7.70 | 5.73 | 62.6 | 3.14 | 14.9 | 2.47 |
| June | 1.90 | 2.98 | 8.51 | 5.51 | 62.9 | 2.97 | 15.1 | 2.40 |
| July | 2.08 | 3.31 | 8.53 | 5.64 | 56.0 | 3.04 | 13.1 | 2.50 |
| August | 1.81 | 3.01 | 9.25 | 5.46 | 53.3 | 2.75 | 13.8 | 2.21 |
| September | 1.69 | 2.78 | 8.96 | 5.49 | 57.0 | 2.65 | 14.2 | 2.15 |
| October | 1.85 | 2.99 | 7.60 | 5.31 | 59.2 | 2.75 | 14.8 | 2.22 |
| November | 1.93 | 2.99 | 6.58 | 5.22 | 64.5 | 2.95 | 15.7 | 2.37 |
| December | 1.94 | 3.10 | 6.34 | 5.23 | 68.3 | 2.92 | 17.2 | 2.22 |
| **Annual Average** | **1.94** | **3.07** | **6.82** | **5.48** | **67.0** | **3.14** | **16.1** | **2.40** |
| **1999** | | | | | | | | |
| January | [E]1.80 | 2.84 | 5.97 | 5.08 | 72.7 | 3.07 | 15.4 | 2.25 |
| February | [E]1.73 | 2.94 | 6.23 | 5.17 | 68.8 | 2.97 | 15.5 | 2.27 |
| March | [E]1.70 | 2.67 | 6.00 | 5.00 | 67.9 | 2.91 | 16.0 | 2.11 |
| April | [E]1.81 | 2.91 | 6.32 | 5.70 | 64.4 | 2.82 | 15.8 | 2.25 |
| May | [E]2.10 | 3.25 | 7.07 | 5.12 | 61.1 | 2.66 | 17.1 | 2.48 |
| June | [E]2.10 | 3.18 | 7.91 | 5.23 | 58.9 | 2.87 | 16.9 | 2.47 |
| July | [E]2.07 | 3.11 | 8.50 | 5.24 | 56.7 | 2.90 | 17.6 | 2.52 |
| August | [E]2.34 | 3.37 | 8.88 | 5.30 | 53.6 | 3.04 | 18.0 | 2.80 |
| September | [E]2.42 | 3.50 | 8.40 | 5.41 | 57.9 | 3.13 | 17.1 | 2.86 |
| October | [E]2.31 | 3.50 | 7.52 | 5.34 | 60.7 | 3.21 | 17.3 | 2.83 |
| November | [E]2.44 | 3.75 | 7.08 | 5.46 | 63.8 | 3.45 | 17.7 | 3.01 |
| December | [E]2.03 | 3.22 | 6.46 | 5.44 | 66.9 | 3.26 | 18.7 | 2.63 |
| **Annual Average** | **[E]2.07** | **3.11** | **6.60** | **5.26** | **65.1** | **3.04** | **16.9** | **2.56** |
| **2000** | | | | | | | | |
| January | [E]2.12 | 2.74 | 6.17 | 5.06 | 71.9 | 2.99 | 19.3 | [NA] |

[a] See Appendix A, Explanatory Note 8, for discussion of wellhead prices.

[b] Percentage of total deliveries represented by onsystem sales, see Figure 6. See Table 25 for breakdown by State.

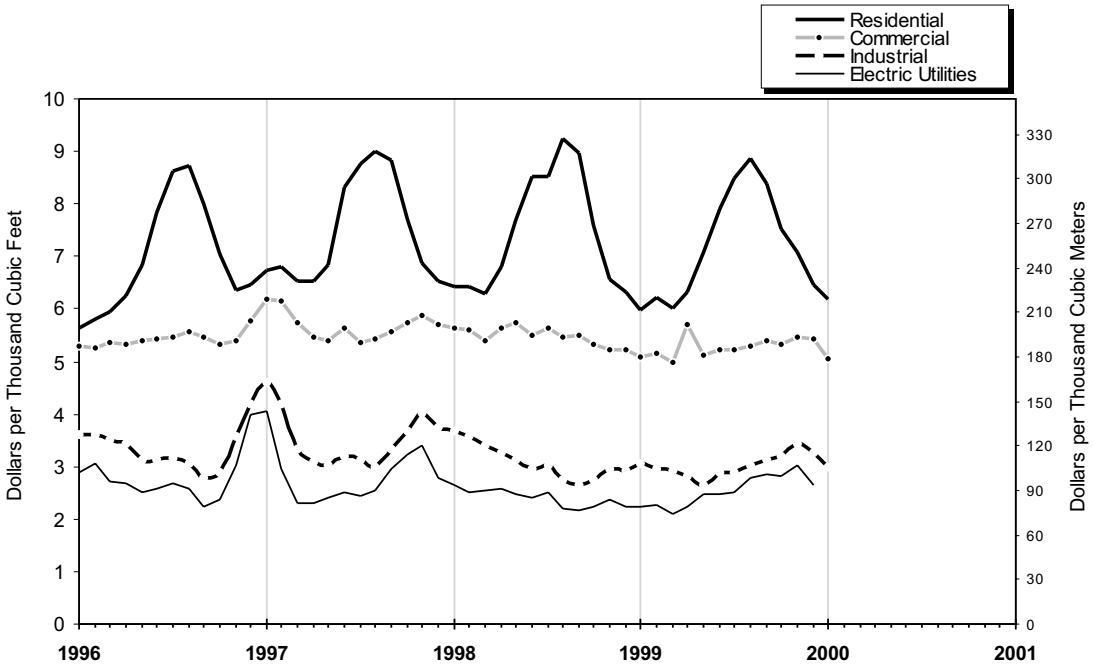
[E] Estimated Data.

[NA] Not Available.

**Notes:** Data for 1994 through 1998 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District of Columbia. In 1996, consumption of natural gas for agricultural use was classified as industrial use. In 1995 and earlier years, agricultural use was classified as commercial use. See Explanatory Note 5 for further explanation.

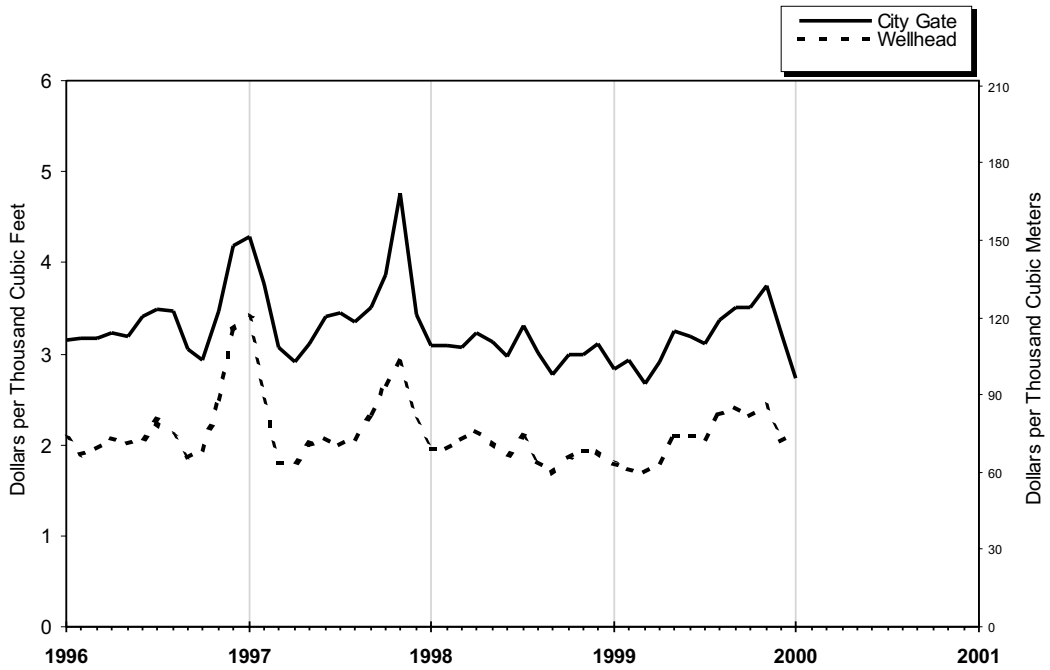
**Sources:** 1994-1998: Energy Information Administration (EIA) *Natural Gas Annual 1998.* 1999 forward: EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers," Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants," and EIA estimates. January 1999 through current month: See Appendix A, Explanatory Note 8 for estimation procedures and revision policy.

**Figure 3. Average Price of Natural Gas Delivered to Consumers in the U.S., 1996-2000**




**Source:** Table 4

**Figure 4. Average Price of Natural Gas in the United States, 1996-2000**




**Source:** Table 4

Table 5

# Table 5. U.S. Natural Gas Imports, by Country, 1994-2000

(Volumes in Million Cubic Feet, Prices in Dollars per Thousand Cubic Feet)

| Year and Month | Pipeline | | | | LNG | | | |
|---|---|---|---|---|---|---|---|---|
| | Canada | | Mexico | | Algeria | | Australia | |
| | Volume | Average Price | Volume | Average Price | Volume | Average Price | Volume | Average Price |
| **1994 Total** | **2,566,049** | **1.86** | **7,013** | **1.99** | **50,778** | **2.28** | **0** | — |
| **1995 Total** | **2,816,408** | **1.48** | **6,722** | **1.53** | **17,918** | **2.30** | **0** | — |
| **1996 Total** | **2,883,277** | **1.96** | **13,862** | **2.25** | **35,325** | **2.70** | **0** | — |
| **1997 Total** | **2,899,152** | **2.15** | **17,243** | **2.31** | **65,675** | **2.67** | **9,686** | **2.92** |
| **1998** | | | | | | | | |
| January | 276,118 | 2.06 | 55 | 2.12 | 10,105 | 2.51 | 0 | — |
| February | 239,091 | 1.90 | 2,184 | 2.04 | 7,606 | 2.51 | 2,171 | 3.99 |
| March | 257,485 | 1.97 | 380 | 2.20 | 5,166 | 2.50 | 0 | — |
| April | 247,363 | 2.03 | 3,249 | 2.37 | 2,549 | 2.52 | 0 | — |
| May | 243,868 | 2.00 | 845 | 2.15 | 7,596 | 2.51 | 0 | — |
| June | 235,847 | 1.86 | 5 | 2.21 | 5,149 | 2.51 | 2,441 | 2.91 |
| July | 259,412 | 1.96 | 1,821 | 2.13 | 5,086 | 2.52 | 0 | — |
| August | 268,535 | 1.80 | 1,413 | 1.78 | 2,540 | 2.52 | 2,321 | 2.92 |
| September | 254,752 | 1.66 | 2,257 | 1.86 | 5,133 | 2.52 | 0 | — |
| October | 260,135 | 1.92 | 905 | 1.65 | 5,023 | 2.50 | 0 | — |
| November | 247,971 | 2.09 | 0 | — | 5,042 | 2.51 | 2,353 | 3.55 |
| December | 261,495 | 2.14 | 1,418 | 1.77 | 7,572 | 2.51 | 2,348 | 3.18 |
| **Total** | **3,052,073** | **1.95** | **14,532** | **2.03** | **68,567** | **2.51** | **11,634** | **3.30** |
| **1999** | | | | | | | | |
| January | 290,266 | 1.98 | 4,891 | 1.76 | 12,612 | 2.47 | 0 | — |
| February | 258,656 | 1.89 | 4,398 | 1.71 | 7,423 | 2.51 | 2,557 | 3.56 |
| March | 279,161 | 1.82 | 751 | 1.61 | 12,648 | 2.70 | 0 | — |
| April | 265,973 | 1.84 | 4,192 | 2.04 | 7,639 | 2.46 | 0 | — |
| May | 270,034 | 2.17 | 6,843 | 1.97 | 3,900 | 2.67 | 0 | — |
| June | 256,251 | 2.13 | 4,978 | 2.14 | 2,528 | 1.96 | 2,314 | 2.34 |
| July | 271,431 | 2.27 | 3,876 | 2.24 | 5,133 | 2.19 | 0 | — |
| August | 287,657 | 2.49 | 6,028 | 2.64 | 2,554 | 2.19 | 2,302 | 2.35 |
| September | 283,625 | 2.74 | 4,643 | 2.42 | 7,593 | 2.51 | 0 | — |
| October | 290,306 | 2.57 | 4,168 | 2.52 | 5,120 | 2.50 | 2,309 | 2.41 |
| November | 288,378 | 2.95 | 6,463 | 2.34 | 2,440 | 2.88 | 0 | — |
| December | 290,919 | 2.38 | 3,297 | 2.11 | 5,022 | 2.54 | 2,422 | 2.74 |
| **Total** | **3,332,658** | **2.28** | **54,528** | **2.17** | **74,612** | **2.50** | **11,903** | **2.70** |
| **2000** | | | | | | | | |
| January | [R]305,306 | NA | [E]3,297 | NA | 5,026 | NA | 0 | — |
| February | [E]253,670 | NA | [E]3,297 | NA | 4,990 | NA | 0 | — |
| **2000 YTD** | **[E]558,976** | NA | **[E]6,594** | NA | **10,016** | NA | **0** | — |
| **1999 YTD** | **548,923** | **1.94** | **9,289** | **1.74** | **20,034** | **2.48** | **2,557** | **3.56** |
| **1998 YTD** | **515,208** | **1.99** | **2,239** | **2.04** | **17,712** | **2.51** | **2,171** | **3.99** |

See footnotes at end of table.

# Table 5. U.S. Natural Gas Imports, by Country, 1994-2000

(Volumes in Million Cubic Feet, Prices in Dollars per Thousand Cubic Feet) — Continued

| Year and Month | LNG | | | | | | | | Total | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Qatar | | Trinidad | | United Arab Emirates | | Other | | | |
| | Volume | Average Price | Volume | Average Price | Volume | Average Price | Volume | Average Price | Volume | Average Price |
| **1994 Total** | **0** | — | **0** | — | **0** | — | **0** | — | **2,623,839** | **1.87** |
| **1995 Total** | **0** | — | **0** | — | **0** | — | **0** | — | **2,841,048** | **1.49** |
| **1996 Total** | **0** | — | **0** | — | **4,949** | **3.46** | **0** | — | **2,937,413** | **1.97** |
| **1997 Total** | **0** | — | **0** | — | **2,417** | **3.74** | **0** | — | **2,994,173** | **2.17** |
| **1998** | | | | | | | | | | |
| January | 0 | — | 0 | — | 0 | — | 0 | — | 286,278 | 2.08 |
| February | 0 | — | 0 | — | 0 | — | 0 | — | 251,052 | 1.94 |
| March | 0 | — | 0 | — | 0 | — | 0 | — | 263,032 | 1.98 |
| April | 0 | — | 0 | — | 0 | — | 0 | — | 253,161 | 2.04 |
| May | 0 | — | 0 | — | 0 | — | 0 | — | 252,310 | 2.02 |
| June | 0 | — | 0 | — | 0 | — | 0 | — | 243,442 | 1.88 |
| July | 0 | — | 0 | — | 0 | — | 0 | — | 266,319 | 1.97 |
| August | 0 | — | 0 | — | 0 | — | 0 | — | 274,809 | 1.82 |
| September | 0 | — | 0 | — | 0 | — | 0 | — | 262,142 | 1.68 |
| October | 0 | — | 0 | — | 0 | — | 0 | — | 266,063 | 1.93 |
| November | 0 | — | 0 | — | 2,667 | 2.78 | 0 | — | 258,033 | 2.12 |
| December | 0 | — | 0 | — | 2,585 | 2.47 | 0 | — | 275,417 | 2.16 |
| **Total** | **0** | — | **0** | — | **5,252** | **2.63** | **0** | — | **3,152,058** | **1.97** |
| **1999** | | | | | | | | | | |
| January | 0 | — | 0 | — | 0 | — | 0 | — | 307,769 | 2.00 |
| February | 2,481 | 2.75 | 0 | — | 0 | — | 0 | — | 275,515 | 1.93 |
| March | 0 | — | 0 | — | 0 | — | 0 | — | 292,560 | 1.86 |
| April | 2,492 | 1.93 | 0 | — | 0 | — | 0 | — | 280,296 | 1.86 |
| May | 0 | — | 5,493 | 1.90 | 0 | — | 0 | — | 286,270 | 2.17 |
| June | 2,417 | 1.98 | 6,620 | 2.08 | 0 | — | 0 | — | 275,109 | 2.13 |
| July | 2,388 | 2.60 | 6,599 | 2.10 | 0 | — | 0 | — | 289,428 | 2.27 |
| August | 0 | — | 9,898 | 2.50 | 0 | — | [a]2,576 | 2.37 | 311,014 | 2.49 |
| September | 4,987 | 2.71 | 4,393 | 2.55 | 0 | — | 0 | — | 305,242 | 2.73 |
| October | 0 | — | 4,394 | 2.52 | 0 | — | 0 | — | 306,296 | 2.57 |
| November | 2,374 | 3.07 | 6,657 | 2.86 | 2,713 | 2.97 | 0 | — | 309,026 | 2.94 |
| December | 2,392 | 3.55 | 5,256 | 2.84 | 0 | — | 0 | — | 309,307 | 2.40 |
| **Total** | **19,532** | **2.66** | **49,310** | **2.41** | **2,713** | **2.97** | **2,576** | **2.37** | **3,547,832** | **2.29** |
| **2000** | | | | | | | | | | |
| January | 0 | — | 7,779 | NA | 0 | — | 0 | — | [RE]321,408 | NA |
| February | 0 | — | 5,168 | NA | 0 | — | 0 | — | [E]267,125 | NA |
| **2000 YTD** | **0** | — | **12,947** | NA | **0** | — | **0** | — | [E]**588,533** | NA |
| **1999 YTD** | **2,481** | **2.75** | **0** | — | **0** | — | **0** | — | **583,284** | **1.96** |
| **1998 YTD** | **0** | — | **0** | — | **0** | — | **0** | — | **537,330** | **2.01** |

[a] Received from Malaysia.
[R] Revised Data.
[E] Estimated Data.
[RE] Revised Estimated Data.
NA Not Available.
— Not Applicable.

**Sources:** 1994: Energy Information Administration, Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas." January 1995 through the current month (except estimates): Office of Fossil Energy, U.S. Department of Energy, *Natural Gas Imports and Exports.* Estimated pipeline data (shown with an "E") are taken from data from the National Energy Board of Canada plus EIA estimates. LNG data: Industry reports.

Table 6

# Table 6. U.S. Natural Gas Exports, by Country, 1994-2000

(Volumes in Million Cubic Feet, Prices in Dollars per Thousand Cubic Feet)

| Year and Month | Pipeline | | | | LNG | | | | Total | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Canada | | Mexico | | Japan | | Mexico | | Volume | Average Price |
| | Volume | Average Price | Volume | Average Price | Volume | Average Price | Volume | Average Price | | |
| **1994 Total** | **52,556** | **2.42** | **46,500** | **1.68** | **62,682** | **3.18** | **0** | — | **161,738** | **2.50** |
| **1995 Total** | **27,554** | **1.96** | **61,283** | **1.50** | **65,283** | **3.41** | **0** | — | **154,119** | **2.39** |
| **1996 Total** | **51,905** | **2.67** | **33,840** | **2.11** | **67,648** | **3.65** | **0** | — | **153,393** | **2.97** |
| **1997 Total** | **56,447** | **2.52** | **38,372** | **2.46** | **62,187** | **3.83** | **0** | — | **157,006** | **3.02** |
| **1998** | | | | | | | | | | |
| January | 4,930 | 2.53 | 4,257 | 2.11 | 7,446 | 3.67 | 0 | — | 16,632 | 2.93 |
| February | 4,502 | 2.11 | 3,117 | 2.06 | 3,726 | 3.42 | 0 | — | 11,346 | 2.53 |
| March | 7,851 | 2.25 | 4,202 | 2.14 | 7,435 | 3.09 | 0 | — | 19,488 | 2.55 |
| April | 4,509 | 2.47 | 2,675 | 2.23 | 5,702 | 2.81 | 0 | — | 12,886 | 2.57 |
| May | 2,083 | 2.28 | 6,119 | 2.12 | 1,891 | 2.70 | 0 | — | 10,093 | 2.26 |
| June | 1,938 | 2.03 | 5,617 | 1.98 | 5,695 | 2.69 | 0 | — | 13,250 | 2.29 |
| July | 1,634 | 1.97 | 3,852 | 2.20 | 5,679 | 2.70 | 0 | — | 11,166 | 2.42 |
| August | 52 | 1.87 | 4,834 | 1.95 | 5,676 | 2.70 | 1 | 5.88 | 10,563 | 2.35 |
| September | 1,481 | 2.09 | 2,892 | 1.81 | 7,584 | 2.68 | 0 | — | 11,957 | 2.40 |
| October | 2,127 | 2.03 | 5,167 | 1.90 | 5,679 | 2.72 | 3 | 5.74 | 12,975 | 2.28 |
| November | 3,630 | 2.17 | 5,079 | 2.00 | 3,776 | 2.75 | 9 | 5.69 | 12,494 | 2.28 |
| December | 5,152 | 2.26 | 5,323 | 1.99 | 5,662 | 2.73 | 20 | 5.68 | 16,157 | 2.34 |
| **Total** | **39,891** | **2.25** | **53,133** | **2.04** | **65,951** | **2.91** | **33** | **5.69** | **159,007** | **2.45** |
| **1999** | | | | | | | | | | |
| January | 2,373 | 1.91 | 4,526 | 1.83 | 5,587 | 2.61 | 24 | 7.48 | 12,510 | 2.20 |
| February | 3,360 | 1.94 | 4,753 | 1.74 | 5,563 | 2.49 | 28 | 7.46 | 13,704 | 2.11 |
| March | 4,883 | 1.80 | 5,950 | 1.64 | 5,570 | 2.75 | 22 | 7.41 | 16,425 | 2.07 |
| April | 2,300 | 1.79 | 5,049 | 1.89 | 5,699 | 2.48 | 19 | 7.23 | 13,067 | 2.14 |
| May | 2,512 | 2.26 | 6,109 | 2.29 | 5,586 | 2.70 | 24 | 7.47 | 14,231 | 2.45 |
| June | 2,255 | 2.16 | 5,278 | 2.32 | 3,723 | 2.41 | 19 | 7.34 | 11,275 | 2.33 |
| July | 2,347 | 2.21 | 5,613 | 2.36 | 5,675 | 3.13 | 19 | 7.20 | 13,654 | 2.66 |
| August | 2,419 | 2.44 | 5,400 | 2.75 | 5,628 | 2.70 | 19 | 7.40 | 13,466 | 2.68 |
| September | 2,301 | 2.82 | 5,267 | 2.94 | 5,604 | 2.95 | 22 | 7.35 | 13,194 | 2.93 |
| October | 2,842 | 2.63 | 4,085 | 3.28 | 3,723 | 3.28 | 14 | 7.18 | 10,664 | 3.11 |
| November | 8,019 | 2.94 | 5,009 | 2.96 | 5,580 | 2.96 | 22 | 5.92 | 18,630 | 2.95 |
| December | 6,750 | 2.37 | 3,986 | 3.81 | 5,577 | 3.81 | 23 | 5.88 | 16,336 | 3.22 |
| **Total** | **42,361** | **2.34** | **61,025** | **2.44** | **63,514** | **2.86** | **255** | **7.11** | **167,155** | **2.58** |
| **2000** | | | | | | | | | | |
| January | E6,750 | NA | E3,986 | NA | 5,569 | NA | NA | NA | E16,305 | NA |
| February | E6,750 | NA | E3,986 | NA | 1,656 | NA | NA | NA | E12,392 | NA |
| **2000 YTD** | **E13,500** | NA | **E7,972** | NA | **7,225** | NA | NA | NA | **E28,697** | NA |
| **1999 YTD** | **5,733** | **1.93** | **9,279** | **1.78** | **11,150** | **2.55** | **52** | **7.47** | **26,214** | **2.15** |
| **1998 YTD** | **9,432** | **2.33** | **7,373** | **2.09** | **11,172** | **3.59** | **0** | — | **27,978** | **2.77** |

E Estimated Data.
NA Not Available.
— Not Applicable.

**Sources:** 1994: Energy Information Administration, Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas." January 1995 through the current month (except estimates): Office of Fossil Energy, U.S. Department of Energy, *Natural Gas Imports and Exports.* Estimated pipeline data (shown with an "E") are taken from data from the National Energy Board of Canada plus EIA estimates. LNG data: Industry reports.

## Table 7. Marketed Production of Natural Gas, by State, 1993-1999

(Million Cubic Feet)

| Year and Month | Alabama[b] | Alaska | Arizona | California | Colorado | Florida | Kansas |
|---|---|---|---|---|---|---|---|
| **1993 Total** | **388,024** | **430,350** | **597** | **315,851** | **400,985** | **7,085** | **686,347** |
| **1994 Total** | **515,272** | **555,402** | **752** | **309,427** | **453,207** | **7,486** | **712,730** |
| **1995 Total** | **519,661** | **469,550** | **558** | **279,555** | **523,084** | **6,463** | **721,436** |
| **1996 Total** | **530,841** | **480,828** | **463** | **286,494** | **572,071** | **6,006** | **712,796** |
| **1997** | | | | | | | |
| January | 48,213 | 43,497 | 46 | 24,430 | 52,755 | 527 | 60,198 |
| February | 46,024 | 39,391 | 41 | 21,876 | 48,424 | 512 | 55,275 |
| March | 51,313 | 42,625 | 42 | 23,910 | 53,954 | 610 | 60,099 |
| April | 51,246 | 38,687 | 39 | 23,248 | 52,529 | 554 | 58,357 |
| May | 48,802 | 35,427 | 36 | 23,590 | 52,376 | 541 | 61,661 |
| June | 47,342 | 36,344 | 28 | 22,928 | 50,715 | 450 | 59,996 |
| July | 46,370 | 36,284 | 31 | 23,981 | 52,964 | 514 | 58,234 |
| August | 46,314 | 36,270 | 30 | 23,841 | 54,041 | 505 | 61,937 |
| September | 48,911 | 37,041 | 30 | 23,760 | 52,742 | 519 | 49,658 |
| October | 50,634 | 40,095 | 34 | 24,437 | 54,260 | 452 | 53,815 |
| November | 49,734 | 39,631 | 57 | 24,792 | 55,549 | 439 | 54,152 |
| December | 48,368 | 43,020 | 39 | 24,896 | 57,064 | 491 | 53,834 |
| **Total** | **583,272** | **468,311** | **452** | **285,690** | **637,375** | **6,114** | **687,215** |
| **1998** | | | | | | | |
| January | 46,466 | 43,382 | 43 | 24,752 | 57,511 | 503 | 53,032 |
| February | 41,653 | 39,244 | 42 | 22,151 | 52,954 | 491 | 48,698 |
| March | 46,476 | 42,479 | 53 | 22,708 | 58,795 | 592 | 52,948 |
| April | 46,281 | 38,540 | 43 | 21,952 | 57,586 | 531 | 51,415 |
| May | 48,978 | 35,281 | 38 | 23,894 | 57,916 | 513 | 54,334 |
| June | 49,638 | 36,217 | 34 | 24,871 | 55,989 | 426 | 52,862 |
| July | 50,131 | 36,171 | 42 | 27,157 | 57,737 | 486 | 51,324 |
| August | 49,215 | 36,118 | 36 | 29,727 | 58,584 | 472 | 54,059 |
| September | 42,308 | 36,884 | 32 | 29,114 | 57,005 | 498 | 43,419 |
| October | 47,503 | 39,958 | 31 | 30,467 | 60,868 | 423 | 47,058 |
| November | 46,682 | 39,483 | 33 | 29,508 | 59,592 | 401 | 47,359 |
| December | 48,447 | 42,890 | 33 | 28,974 | 61,783 | 459 | 47,078 |
| **Total** | **563,779** | **466,648** | **457** | **315,277** | **696,321** | **5,796** | **603,586** |
| **1999** | | | | | | | |
| January | 32,042 | 43,848 | 31 | 29,268 | [R]64,539 | 517 | 52,200 |
| February | 29,023 | 39,443 | 27 | 26,541 | [R]65,679 | 448 | 43,801 |
| March | 31,836 | 42,685 | 36 | 30,361 | [R]64,787 | 494 | 47,290 |
| April | 28,413 | [E]37,537 | 38 | 29,808 | [R]60,311 | 459 | 45,904 |
| May | 33,517 | [E]33,279 | 41 | 30,944 | [R]62,881 | 427 | 46,147 |
| June | 32,295 | [E]35,853 | 45 | 28,553 | [R]61,281 | 392 | 46,452 |
| July | 32,356 | [E]36,229 | 60 | 30,744 | [R]61,014 | 503 | 44,878 |
| August | 32,180 | 34,246 | 51 | 31,632 | [R]61,142 | 570 | 45,540 |
| September | [E]32,532 | 32,790 | 43 | 31,288 | [R]58,471 | 526 | 43,299 |
| October | 32,386 | 39,580 | 43 | 32,560 | [R]62,315 | 528 | [E]46,187 |
| November | 32,204 | [E]39,162 | 35 | [R]32,442 | [R]60,588 | 566 | [E]46,621 |
| December | [E]32,655 | [E]42,712 | 28 | 31,804 | 59,278 | [E]639 | [E]47,126 |
| **Total** | **[E]381,440** | **[E]457,363** | **478** | **365,945** | **742,284** | **[E]6,069** | **[E]555,446** |

See footnotes at end of table.

Table 7

# Table 7. Marketed Production of Natural Gas, by State, 1993-1999

(Million Cubic Feet) — Continued

| Year and Month | Louisiana[b] | Michigan | Mississippi | Montana | New Mexico | North Dakota | Oklahoma |
|---|---|---|---|---|---|---|---|
| **1993 Total** | **4,991,138** | **204,635** | **80,695** | **54,528** | **1,409,429** | **59,851** | **2,049,942** |
| **1994 Total** | **5,169,705** | **222,657** | **63,448** | **50,416** | **1,557,689** | **57,805** | **1,934,864** |
| **1995 Total** | **5,108,366** | **238,203** | **95,533** | **50,264** | **1,625,837** | **49,468** | **1,811,734** |
| **1996 Total** | **5,289,742** | **245,740** | **103,263** | **50,996** | **1,554,087** | **49,674** | **1,734,887** |
| **1997** | | | | | | | |
| January | 445,257 | 34,940 | 8,253 | 4,654 | 135,263 | 3,952 | 144,608 |
| February | 405,366 | 16,875 | 7,807 | 4,451 | 122,656 | 3,899 | 134,455 |
| March | 447,802 | 24,790 | 8,470 | 4,836 | 137,830 | 4,453 | 147,098 |
| April | 431,010 | 12,944 | 8,120 | 4,654 | 132,438 | 4,364 | 136,246 |
| May | 443,269 | 39,819 | 8,611 | 4,561 | 136,553 | 4,539 | 142,336 |
| June | 425,934 | 19,314 | 8,893 | 3,808 | 125,256 | 4,348 | 138,038 |
| July | 434,326 | 40,026 | 8,636 | 4,114 | 131,806 | 4,427 | 144,769 |
| August | 438,965 | 18,597 | 9,626 | 4,213 | 134,140 | 4,486 | 147,528 |
| September | 430,599 | 22,451 | 9,162 | 4,199 | 128,915 | 4,381 | 150,488 |
| October | 445,702 | 20,297 | 10,084 | 3,150 | 134,623 | 4,508 | 145,054 |
| November | 434,908 | 26,013 | 9,683 | 4,706 | 120,856 | 4,416 | 135,537 |
| December | 446,682 | 29,885 | 9,955 | 5,091 | 118,298 | 4,629 | 137,731 |
| **Total** | **5,229,821** | **305,950** | **107,300** | **52,437** | **1,558,633** | **52,401** | **1,703,888** |
| **1998** | | | | | | | |
| January | 453,867 | 28,460 | 9,639 | 4,831 | 130,265 | 4,623 | 158,897 |
| February | 409,480 | 8,278 | 8,574 | 4,569 | 118,164 | 4,039 | 126,200 |
| March | 459,364 | 30,780 | 9,781 | 4,892 | 132,729 | 4,344 | 136,334 |
| April | 452,863 | 17,823 | 8,957 | 4,683 | 127,544 | 4,311 | 134,115 |
| May | 471,279 | 29,198 | 9,121 | 4,978 | 131,488 | 4,529 | 140,400 |
| June | 451,104 | 26,958 | 8,586 | 4,448 | 120,632 | 4,304 | 136,013 |
| July | 454,637 | 26,171 | 9,258 | 4,636 | 126,924 | 4,460 | 134,510 |
| August | 457,279 | 18,896 | 8,834 | 4,594 | 129,164 | 4,546 | 139,914 |
| September | 363,707 | 28,491 | 8,664 | 4,750 | 124,152 | 4,435 | 134,805 |
| October | 433,764 | 21,816 | 8,868 | 5,040 | 129,640 | 4,610 | 138,167 |
| November | 431,629 | 12,013 | 8,602 | 5,044 | 116,404 | 4,465 | 134,583 |
| December | 448,896 | 29,193 | 9,184 | 5,182 | 113,991 | 4,520 | 130,592 |
| **Total** | **5,287,870** | **278,076** | **108,068** | **57,645** | **1,501,098** | **53,185** | **1,644,531** |
| **1999** | | | | | | | |
| January | 466,143 | 20,853 | 9,154 | [E]4,947 | 134,745 | 4,331 | [E]144,408 |
| February | 425,121 | 8,746 | 8,678 | [E]4,700 | 134,071 | 3,858 | [E]122,928 |
| March | 463,776 | 39,892 | 9,933 | [E]5,002 | 134,084 | 4,220 | [E]133,354 |
| April | 450,953 | 22,653 | 9,426 | [E]4,749 | 134,098 | 4,298 | [E]131,587 |
| May | 474,329 | 25,273 | 9,708 | [E]4,894 | 134,008 | 4,335 | [E]139,036 |
| June | 464,118 | 25,120 | 9,480 | [E]4,118 | 133,918 | 4,329 | [E]133,557 |
| July | 468,257 | 24,043 | 9,542 | [E]4,340 | 133,828 | 4,570 | [E]132,444 |
| August | 468,679 | 19,291 | 9,406 | [E]4,552 | 133,738 | 4,540 | [E]133,202 |
| September | 444,299 | 24,696 | 9,198 | [E]4,621 | 135,075 | 4,431 | [E]132,151 |
| October | 447,547 | [R]13,774 | 9,050 | [E]4,527 | 136,426 | 4,613 | [E]137,584 |
| November | 444,283 | [R]21,770 | 8,608 | [E]5,019 | [E]127,203 | 4,576 | [E]131,472 |
| December | 457,337 | 32,091 | 8,840 | [E]5,371 | [E]126,935 | 4,622 | [E]132,433 |
| **Total** | **5,474,842** | **278,202** | **111,022** | **[E]56,840** | **[E]1,598,128** | **52,722** | **[E]1,604,156** |

See footnotes at end of table.

## Table 7. Marketed Production of Natural Gas, by State, 1993-1999

(Million Cubic Feet) — Continued

| Year and Month | Oregon | Texas[c] | Utah | Wyoming | Other[a] States | U.S. Total |
|---|---|---|---|---|---|---|
| **1993 Total** | **4,003** | **6,249,624** | **225,401** | **634,957** | **788,472** | **18,981,915** |
| **1994 Total** | **3,221** | **6,353,844** | **270,858** | **696,018** | **774,724** | **19,709,525** |
| **1995 Total** | **1,923** | **6,330,048** | **241,290** | **673,775** | **759,728** | **19,506,474** |
| **1996 Total** | **1,439** | **6,470,620** | **250,767** | **666,036** | **805,491** | **19,812,241** |
| **1997** | | | | | | |
| January | 105 | 554,934 | 21,782 | 59,016 | 66,589 | 1,709,020 |
| February | 98 | 506,768 | 19,115 | 55,848 | 59,659 | 1,548,536 |
| March | 101 | 564,269 | 21,912 | 61,159 | 64,046 | 1,719,319 |
| April | 102 | 539,499 | 19,570 | 64,278 | 60,894 | 1,638,779 |
| May | 102 | 552,230 | 22,053 | 62,726 | 62,075 | 1,701,306 |
| June | 97 | 529,765 | 19,815 | 59,667 | 58,840 | 1,611,580 |
| July | 98 | 546,610 | 21,711 | 60,324 | 58,719 | 1,673,945 |
| August | 99 | 548,267 | 21,024 | 61,091 | 59,919 | 1,670,894 |
| September | 86 | 525,836 | 22,007 | 64,678 | 57,035 | 1,632,496 |
| October | 97 | 540,150 | 23,006 | 64,992 | 63,152 | 1,678,542 |
| November | 91 | 519,274 | 22,840 | 62,181 | 61,087 | 1,625,944 |
| December | 96 | 526,271 | 22,307 | 62,410 | 64,665 | 1,655,732 |
| **Total** | **1,173** | **6,453,873** | **257,139** | **738,368** | **736,679** | **19,866,093** |
| **1998** | | | | | | |
| January | 90 | 550,623 | 21,826 | 66,238 | 64,219 | 1,719,267 |
| February | 79 | 497,583 | 21,758 | 59,825 | 56,464 | 1,520,246 |
| March | 96 | 548,845 | 23,656 | 64,659 | 60,395 | 1,699,925 |
| April | 92 | 531,219 | 23,513 | 61,338 | 57,355 | 1,640,161 |
| May | 92 | 545,368 | 24,967 | 65,642 | 57,484 | 1,705,500 |
| June | 90 | 522,691 | 23,968 | 59,655 | 55,586 | 1,634,073 |
| July | 95 | 536,998 | 23,036 | 63,534 | 58,630 | 1,665,937 |
| August | 94 | 542,707 | 23,681 | 63,228 | 56,789 | 1,677,936 |
| September | 90 | 507,526 | 21,554 | 63,059 | 56,609 | 1,527,103 |
| October | 83 | 529,662 | 23,830 | 65,994 | 61,915 | 1,649,698 |
| November | 85 | 509,919 | 23,045 | 64,618 | 57,038 | 1,590,505 |
| December | 80 | 495,612 | 22,507 | 63,523 | 62,259 | 1,615,203 |
| **Total** | **1,067** | **6,318,754** | **277,340** | **761,313** | **704,742** | **19,645,554** |
| **1999** | | | | | | |
| January | 83 | 542,129 | 23,467 | 62,582 | [E]60,348 | [RE]1,695,636 |
| February | 84 | 490,865 | 21,141 | 55,832 | [E]55,142 | [RE]1,536,128 |
| March | 120 | 534,240 | 23,878 | 67,624 | [E]59,456 | [RE]1,693,066 |
| April | 111 | 507,927 | 22,076 | 61,885 | [E]55,351 | [RE]1,607,583 |
| May | 113 | 526,518 | 22,771 | 64,838 | [E]56,407 | [RE]1,669,465 |
| June | 111 | 501,865 | 21,828 | 63,028 | [E]53,875 | [RE]1,620,216 |
| July | 110 | 521,504 | 21,707 | 66,127 | [E]55,164 | [RE]1,647,420 |
| August | 74 | 517,063 | [R]21,493 | 58,535 | [E]55,466 | [RE]1,631,399 |
| September | 90 | 503,267 | [R]19,725 | 66,255 | [E]54,270 | [RE]1,597,027 |
| October | 124 | 525,498 | [R]21,610 | 71,680 | [E]59,148 | [RE]1,645,179 |
| November | 134 | 508,064 | [R]21,364 | [R]67,983 | [E]57,000 | [RE]1,609,094 |
| December | 138 | 521,846 | [E]20,833 | 73,001 | [E]60,056 | [E]1,657,745 |
| **Total** | **1,291** | **6,200,786** | **[E]261,892** | **779,369** | **[E]681,684** | **[E]19,609,959** |

[a] Includes Arkansas, Illinois, Indiana, Kentucky, Maryland, Missouri, Nebraska, Nevada, New York, Ohio, Pennsylvania, South Dakota, Tennessee, Virginia and West Virginia. The 1999 monthly values for these States are estimated.

[b] For Alabama and Louisiana, all data for 1993 through 1998 include Federal Offshore production. For 1999, Alabama data do not include Federal Offshore production, while data for Louisiana include both the Louisiana and Alabama portions of Federal Offshore Production.

[c] Federal offshore production volumes are included.

[R] Revised Data.

[E] Estimated Data.

[RE] Revised Estimated Data.

**Notes:** Data for 1993 through 1998 are final. All other data are preliminary unless otherwise indicated. Totals may not equal sum of components because of independent rounding. See Appendix A, Explanatory Notes 1 and 3 for discussion of computation procedures and revision policy.

**Sources:** 1993-1998: Energy Information Administration (EIA), *Natural Gas Annual 1998*.1999 through current month: Form EIA-895, "Monthly Quantity of Natural Gas Report," Minerals Management Service reports, and EIA computations.

Table 8

# Table 8. Gross Withdrawals and Marketed Production of Natural Gas by State, December 1999

(Million Cubic Feet)

| State | Gross Withdrawals | | | Repressuring | Nonhydrocarbon Gases Removed[a] | Vented and Flared | Marketed Production |
|---|---|---|---|---|---|---|---|
| | From Gas Wells | From Oil Wells | Total | | | | |
| Alabama | [E]35,348 | [E]586 | [E]35,934 | [E]1,264 | [E]1,938 | [E]76 | [E]32,655 |
| Alaska | [E]15,354 | [E]302,900 | [E]318,254 | [E]274,721 | 0 | [E]821 | [E]42,712 |
| Arizona | 28 | 0 | 28 | 0 | 0 | 0 | 28 |
| California | 7,923 | 27,782 | 35,705 | 3,652 | 167 | 81 | 31,804 |
| Colorado | 51,852 | 8,001 | 59,853 | 511 | 0 | 64 | 59,278 |
| Florida | 0 | [E]722 | [E]722 | 0 | [E]83 | 0 | [E]639 |
| Kansas | [E]42,835 | [E]4,419 | [E]47,254 | [E]80 | 0 | [E]47 | [E]47,126 |
| Louisiana | 402,454 | 60,500 | 462,954 | 3,631 | 0 | 1,986 | 457,337 |
| Michigan | 26,118 | 6,529 | 32,647 | 230 | 0 | 327 | 32,091 |
| Mississippi | 9,641 | 450 | 10,091 | 539 | 493 | 219 | 8,840 |
| Montana | [E]4,731 | [E]645 | [E]5,376 | [E]6 | 0 | 0 | [E]5,371 |
| New Mexico | [E]119,661 | [E]20,909 | [E]140,570 | [E]855 | [E]12,552 | [E]228 | [E]126,935 |
| North Dakota | 1,314 | 3,526 | 4,840 | 0 | 5 | 212 | 4,622 |
| Oklahoma | [E]119,474 | [E]12,959 | [E]132,433 | [E]0 | [E]0 | [E]0 | [E]132,433 |
| Oregon | 166 | 0 | 166 | 4 | 23 | 0 | 138 |
| Texas | 462,700 | 111,960 | 574,660 | 37,189 | 13,208 | 2,418 | 521,846 |
| Utah | [E]18,954 | [E]3,059 | [E]22,013 | [E]39 | 0 | [E]1,141 | [E]20,833 |
| Wyoming | 112,580 | 5,863 | 118,443 | 14,351 | 15,536 | 15,556 | 73,001 |
| Other States | [E]57,510 | [E]3,232 | [E]60,741 | [E]99 | [E]465 | [E]121 | [E]60,056 |
| **Total** | **[E]1,488,641** | **[E]574,044** | **[E]2,062,685** | **[E]337,171** | **[E]44,471** | **[E]23,298** | **[E]1,657,745** |

[a] See Appendix A, Explanatory Note 1, for a discussion of data on Nonhydrocarbon Gases Removed.

[E] Estimated Data.

**Notes:** All monthly data are considered preliminary until publication of the *Natural Gas Annual* for that year. Totals may not equal sum of components because of independent rounding. See Appendix A, Explanatory Notes 1 and 3 for discussion of computation procedures and revision policy.

**Sources:** Form EIA-895, "Monthly Quantity of Natural Gas Report."

# Table 9. Underground Natural Gas Storage - All Operators, 1994-2000

(Volumes in Billion Cubic Feet)

| Year and Month | Natural Gas in Underground Storage at End of Period | | | Change In Working Gas from Same Period Previous Year | | Storage Activity | | |
|---|---|---|---|---|---|---|---|---|
| | Base Gas | Working Gas | Total[b] | Volume | Percent | Injections | Withdrawals | Net Withdrawals[c] |
| **1994 Total[a]** | **4,360** | **2,606** | **6,966** | **284** | **12.2** | **2,796** | **2,508** | **-288** |
| **1995 Total[a]** | **4,349** | **2,153** | **6,503** | **-453** | **-17.4** | **2,566** | **2,974** | **408** |
| **1996 Total[a]** | **4,341** | **2,173** | **6,513** | **19** | **0.9** | **2,906** | **2,911** | **6** |
| **1997 Total[a]** | **4,350** | **2,175** | **6,525** | **2** | **0.1** | **2,800** | **2,824** | **24** |
| **1998** | | | | | | | | |
| January | 4,347 | 1,712 | 6,060 | 215 | 14.5 | 69 | 538 | 468 |
| February | 4,342 | 1,426 | 5,768 | 286 | 25.2 | 75 | 365 | 291 |
| March | 4,342 | 1,183 | 5,524 | 192 | 19.4 | 136 | 382 | 246 |
| April | 4,339 | 1,386 | 5,725 | 334 | 31.9 | 280 | 80 | -200 |
| May | 4,341 | 1,774 | 6,114 | 407 | 29.9 | 433 | 42 | -391 |
| June | 4,335 | 2,114 | 6,449 | 381 | 22.1 | 379 | 52 | -327 |
| July | 4,378 | 2,428 | 6,806 | 409 | 20.4 | 371 | 54 | -317 |
| August | 4,340 | 2,698 | 7,038 | 358 | 15.4 | 336 | 58 | -278 |
| September | 4,341 | 2,928 | 7,269 | 253 | 9.6 | 298 | 74 | -224 |
| October | 4,342 | 3,191 | 7,533 | 302 | 10.6 | 308 | 46 | -262 |
| November | 4,344 | 3,155 | 7,499 | 453 | 16.9 | 137 | 168 | 31 |
| December | 4,326 | 2,730 | 7,056 | 554 | 25.5 | 83 | 519 | 436 |
| **Total** | — | — | — | — | — | **2,905** | **2,379** | **-526** |
| **1999** | | | | | | | | |
| January | 4,327 | 2,094 | 6,421 | 381 | 22.2 | 55 | 678 | 623 |
| February | 4,312 | 1,792 | 6,104 | 372 | 26.2 | 62 | 395 | 333 |
| March | [d]4,361 | [d]1,430 | 5,792 | 246 | 20.7 | 84 | 381 | 297 |
| April | 4,355 | 1,514 | 5,869 | 131 | 9.5 | 203 | 112 | -91 |
| May | 4,346 | 1,847 | 6,192 | 72 | 4.0 | 380 | 43 | -337 |
| June | 4,344 | 2,157 | 6,501 | 54 | 2.6 | 345 | 40 | -306 |
| July | 4,350 | 2,390 | 6,740 | -27 | -1.1 | 303 | 78 | -225 |
| August | 4,342 | 2,632 | 6,974 | -66 | -2.4 | 309 | 70 | -238 |
| September | 4,360 | 2,884 | 7,245 | -43 | -1.5 | 352 | 42 | -310 |
| October | 4,360 | 3,026 | 7,386 | -165 | -5.2 | 238 | 90 | -148 |
| November | 4,364 | 2,991 | 7,355 | -164 | -5.2 | 170 | 200 | 30 |
| December | 4,373 | 2,509 | 6,881 | -221 | -8.1 | 54 | 568 | 514 |
| **Total** | — | — | — | — | — | **2,555** | **2,697** | **141** |
| **2000** | | | | | | | | |
| January | 4,363 | 1,725 | 6,088 | -370 | -17.6 | 48 | 829 | 780 |
| February | 4,371 | 1,300 | 5,672 | -491 | -27.4 | 78 | 532 | 454 |
| ***March(STIFS)*** | [RE]4,371 | [RE]1,125 | [RE]5,496 | [RE]-306 | [RE]-21.4 | NA | NA | [RE]175 |
| ***April(STIFS)*** | [E]4,371 | [E]1,150 | [E]5,521 | [E]-364 | [E]-24.0 | NA | NA | [E]-25 |

[a] Total as of December 31.

[b] Total underground storage capacity at the end of each calendar year (in billion cubic feet): 1994 - 8,043; 1995 - 7,927; 1996 - 8,159; 1997 - 8,128; and 1998 - 8,179.

[c] Negative numbers indicate the volume of injections in excess of withdrawals. Positive numbers indicate the volume of withdrawals in excess of injections.

[d] Reflects one respondent's reclassification of natural gas in underground storage from working gas to base gas.

[E] Estimated Data.

[RE] Revised Estimated Data.

[NA] Not Available.

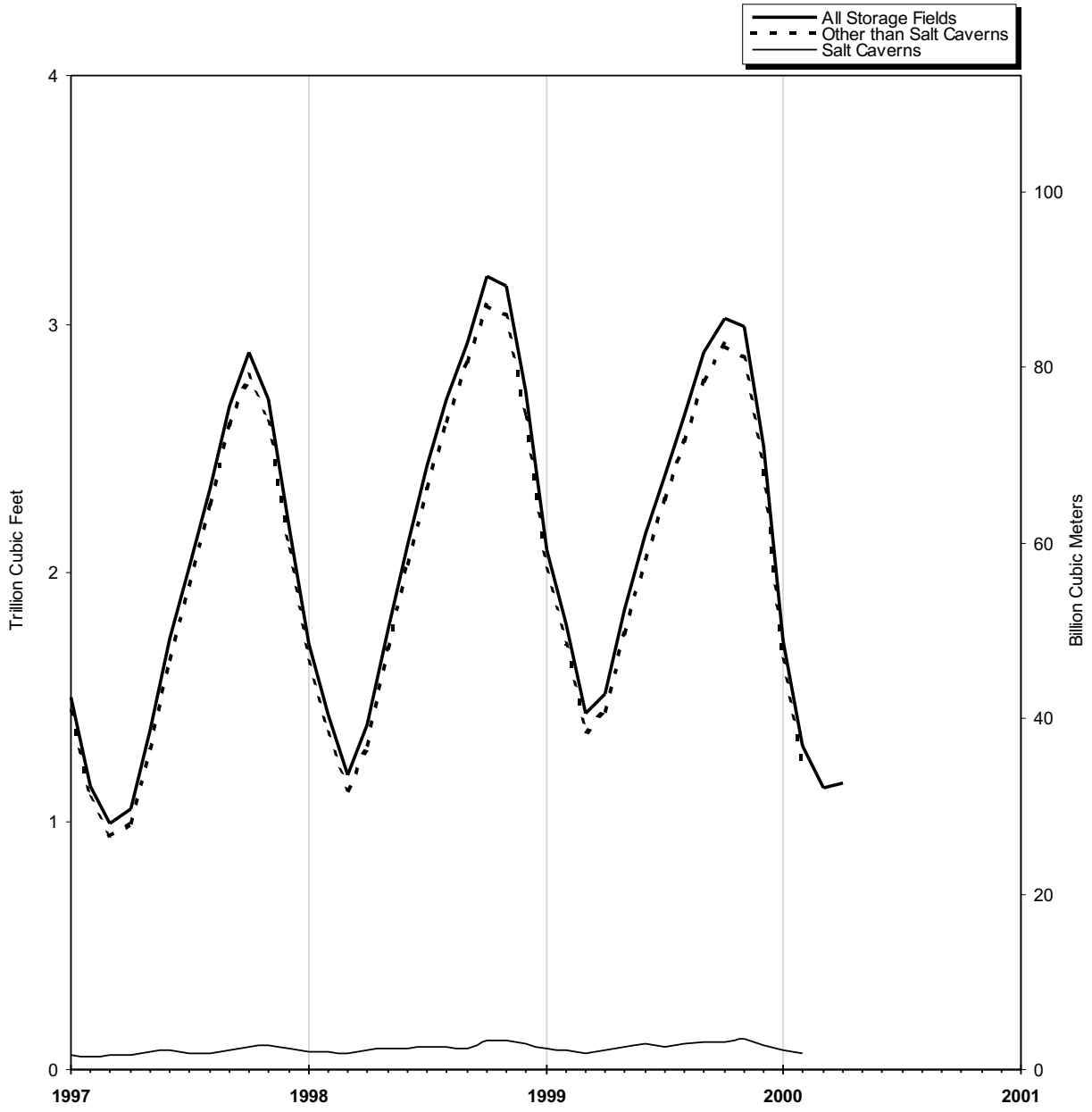
— Not Applicable.

**Notes:** Data for 1994 through 1998 are final. All other data are preliminary unless otherwise noted. Estimates for the most recent two months are derived from the Short-Term Integrated Forecasting System (STIFS). See Explanatory Note 7 for discussion of revision policy. Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia.

**Sources:** Form EIA-191, "Monthly Underground Gas Storage Report," Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition," and STIFS.

Figure 5

**Figure 5. Working Gas in Underground Natural Gas Storage in the U.S., 1997-2000**




**Sources:** Energy Information Administration, Form EIA-191, "Monthly Underground Gas Storage Report," and Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

# Table 10. Underground Natural Gas Storage - by Season, 1997-2000

(Volumes in Billion Cubic Feet)



| Year, Season and Month | Natural Gas in Underground Storage at End of Period | | | Change In Working Gas from Same Period Previous Year | | Storage Activity | | |
|---|---|---|---|---|---|---|---|---|
| | Base Gas | Working Gas | Total | Volume | Percent | Injections | Withdrawals | Net Withdrawals[a] |
| **October 1997** | 4,358 | 2,886 | 7,244 | 75 | 2.7 | 294 | 84 | -210 |
| **1997-1998 Heating Season** | | | | | | | | |
| November | 4,359 | 2,699 | 7,058 | 150 | 5.9 | 113 | 302 | 189 |
| December | 4,350 | 2,175 | 6,525 | 2 | 0.1 | 45 | 579 | 533 |
| January | 4,347 | 1,712 | 6,060 | 215 | 14.5 | 69 | 538 | 468 |
| February | 4,342 | 1,426 | 5,768 | 286 | 25.2 | 75 | 365 | 291 |
| March | 4,342 | 1,183 | 5,524 | 192 | 19.4 | 136 | 382 | 246 |
| **Total** | — | — | — | — | — | **438** | **2,165** | **1,727** |
| **1998 Refill Season** | | | | | | | | |
| April | 4,339 | 1,386 | 5,725 | 334 | 31.9 | 280 | 80 | -200 |
| May | 4,341 | 1,774 | 6,114 | 407 | 29.9 | 433 | 42 | -391 |
| June | 4,335 | 2,114 | 6,449 | 381 | 22.1 | 379 | 52 | -327 |
| July | 4,378 | 2,428 | 6,806 | 409 | 20.4 | 371 | 54 | -317 |
| August | 4,340 | 2,698 | 7,038 | 358 | 15.4 | 336 | 58 | -278 |
| September | 4,341 | 2,928 | 7,269 | 253 | 9.6 | 298 | 74 | -224 |
| October | 4,342 | 3,191 | 7,533 | 302 | 10.6 | 308 | 46 | -262 |
| **Total** | — | — | — | — | — | **2,405** | **407** | **-1,998** |
| **1998-1999 Heating Season** | | | | | | | | |
| November | 4,344 | 3,155 | 7,499 | 453 | 16.9 | 137 | 168 | 31 |
| December | 4,326 | 2,730 | 7,056 | 554 | 25.5 | 83 | 519 | 436 |
| January | 4,327 | 2,094 | 6,421 | 381 | 22.2 | 55 | 678 | 623 |
| February | 4,312 | 1,792 | 6,104 | 372 | 26.2 | 62 | 395 | 333 |
| March | [b]4,361 | [b]1,430 | 5,792 | 246 | 20.7 | 84 | 381 | 297 |
| **Total** | — | — | — | — | — | **422** | **2,141** | **1,719** |
| **1999 Refill Season** | | | | | | | | |
| April | 4,355 | 1,514 | 5,869 | 131 | 9.5 | 203 | 112 | -91 |
| May | 4,346 | 1,847 | 6,192 | 72 | 4.0 | 380 | 43 | -337 |
| June | 4,344 | 2,157 | 6,501 | 54 | 2.6 | 345 | 40 | -306 |
| July | 4,350 | 2,390 | 6,740 | -27 | -1.1 | 303 | 78 | -225 |
| August | 4,342 | 2,632 | 6,974 | -66 | -2.4 | 309 | 70 | -238 |
| September | 4,360 | 2,884 | 7,245 | -43 | -1.5 | 352 | 42 | -310 |
| October | 4,360 | 3,026 | 7,386 | -165 | -5.2 | 238 | 90 | -148 |
| **Total** | — | — | — | — | — | **2,130** | **474** | **-1,656** |
| **1999-2000 Heating Season** | | | | | | | | |
| November | 4,364 | 2,991 | 7,355 | -164 | -5.2 | 170 | 200 | 30 |
| December | 4,373 | 2,509 | 6,881 | -221 | -8.1 | 54 | 568 | 514 |
| January | 4,363 | 1,725 | 6,088 | -370 | -17.6 | 48 | 829 | 780 |
| February | 4,371 | 1,300 | 5,672 | -491 | -27.4 | 78 | 532 | 454 |
| ***March(STIFS)*** | [RE]4,371 | [RE]1,125 | [RE]5,496 | [RE]-306 | [RE]-21.4 | NA | NA | [RE]175 |
| **Total** | — | — | — | — | — | NA | NA | [R]**1,954** |
| **2000 Refill Season** | | | | | | | | |
| ***April(STIFS)*** | [E]4,371 | [E]1,150 | [E]5,521 | [E]-364 | [E]-24.0 | NA | NA | [E]-25 |

[a] Negative numbers indicate the volume of injections in excess of withdrawals. Positive numbers indicate the volume of withdrawals in excess of injections.

[b] Reflects one respondent's reclassification of natural gas in underground storage from working gas to base gas.

[R] Revised Data.

[E] Estimated Data.

[RE] Revised Estimated Data.

NA Not Available.

— Not Applicable.

**Notes:** Data for 1997 and 1998 are final. All other data are preliminary unless otherwise noted. Estimates for the most recent two months are derived from the Short-Term Integrated Forecasting System (STIFS). See Explanatory Note 7 for discussion of revision policy. Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. This is due to changes in the quantities of native gas included in base gas and/or losses in base gas due to migration from storage reservoirs. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia.

**Sources:** Form EIA-191, "Underground Natural Gas Storage Report," Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition," and STIFS.

Table 11

# Table 11. Underground Natural Gas Storage - Salt Cavern Storage Fields, 1994 - 2000

(Volumes in Billion Cubic Feet)

| Year and Month | Natural Gas in Salt Cavern Underground Storage at End of Period | | | Change in Working Gas from Same Period Previous Year | | Storage Activity | | |
|---|---|---|---|---|---|---|---|---|
| | Base Gas | Working Gas | Total | Volume | Percent | Injections | Withdrawals | Net Withdrawals |
| **1994 Total[a]** | **44** | **70** | **113** | — | — | **142** | **123** | **-19** |
| **1995 Total[a]** | **60** | **72** | **131** | **2** | **2.9** | **194** | **200** | **5** |
| **1996 Total[a]** | **64** | **85** | **149** | **14** | **18.8** | **258** | **246** | **-13** |
| **1997 Total[a]** | **67** | **83** | **150** | **-4** | **-3.0** | **267** | **274** | **6** |
| **1998** | | | | | | | | |
| January | 67 | 69 | 136 | 10 | 21.6 | 18 | 31 | 13 |
| February | 66 | 69 | 135 | 18 | 39.1 | 18 | 21 | 3 |
| March | 68 | 64 | 131 | 8 | 13.8 | 23 | 29 | 6 |
| April | 68 | 80 | 149 | 22 | 38.7 | 30 | 12 | -18 |
| May | 68 | 83 | 151 | 9 | 12.9 | 26 | 23 | -3 |
| June | 66 | 83 | 149 | 3 | 4.1 | 21 | 23 | 2 |
| July | 66 | 91 | 157 | 25 | 38.0 | 26 | 18 | -8 |
| August | 66 | 92 | 158 | 25 | 38.8 | 24 | 22 | -2 |
| September | 67 | 83 | 151 | 5 | 7.4 | 24 | 33 | 9 |
| October | 67 | 116 | 183 | 22 | 24.4 | 45 | 12 | -33 |
| November | 68 | 119 | 186 | 23 | 24.5 | 23 | 18 | -5 |
| December | 67 | 104 | 171 | 21 | 26.0 | 18 | 33 | 15 |
| **Total** | — | — | — | — | — | **297** | **275** | **-22** |
| **1999** | | | | | | | | |
| January | 69 | 84 | 153 | 14 | 19.6 | 19 | 41 | 22 |
| February | 67 | 77 | 144 | 10 | 14.3 | 15 | 20 | 5 |
| March | 67 | 68 | 135 | 4 | 6.0 | 18 | 26 | 8 |
| April | 67 | 77 | 144 | -3 | -3.8 | 27 | 18 | -9 |
| May | 67 | 94 | 161 | 11 | 13.4 | 29 | 12 | -17 |
| June | 65 | 102 | 167 | 19 | 22.6 | 21 | 15 | -6 |
| July | 65 | 94 | 160 | 3 | 3.0 | 16 | 24 | 8 |
| August | 66 | 102 | 168 | 9 | 9.6 | 22 | 14 | -8 |
| September | 66 | 113 | 179 | 29 | 35.0 | 23 | 13 | -10 |
| October | 67 | 114 | 181 | -1 | -1.2 | 21 | 19 | -1 |
| November | 67 | 122 | 189 | 4 | 3.4 | 21 | 17 | -4 |
| December | 67 | 100 | 167 | -4 | -4.1 | 18 | 33 | 15 |
| **Total** | — | — | — | — | — | **249** | **253** | **4** |
| **2000** | | | | | | | | |
| January | 68 | 75 | 143 | -9 | -10.4 | 15 | 49 | 34 |
| February | 69 | 66 | 135 | -11 | -14.4 | 23 | 21 | -2 |

[a] Total as of December 31.

— Not Applicable.

**Notes:** Data for 1994 through 1998 are final. All other data are preliminary unless otherwise noted. See Explanatory Note 7 for discussion of the reporting of underground storage information. Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. This is due to changes in the quantities of native gas included in base gas and/or losses in base gas due to migration from storage reservoirs. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia. Positive net withdrawals indicate the volume of withdrawals in excess of injections. Negative net withrawals indicate the volume of injections in excess of withdrawals.

**Sources:** Form EIA-191, "Monthly Underground Gas Storage Report," and Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

# Table 12. Underground Natural Gas Storage - Storage Fields Other than Salt Caverns, 1994-2000

(Volumes in Billion Cubic Feet)

| Year and Month | Natural Gas in Non-Salt Cavern Underground Storage at End of Period | | | Change in Working Gas from Same Period Previous Year | | Storage Activity | | |
|---|---|---|---|---|---|---|---|---|
| | Base Gas | Working Gas | Total | Volume | Percent | Injections | Withdrawals | Net Withdrawals |
| **1994 Total[a]** | **4,317** | **2,536** | **6,853** | — | — | **2,654** | **2,385** | **-269** |
| **1995 Total[a]** | **4,290** | **2,082** | **6,371** | **-455** | **-17.9** | **2,372** | **2,774** | **403** |
| **1996 Total[a]** | **4,277** | **2,087** | **6,364** | **6** | **0.3** | **2,647** | **2,665** | **18** |
| **1997 Total[a]** | **4,283** | **2,092** | **6,375** | **4** | **0.2** | **2,533** | **2,551** | **18** |
| **1998** | | | | | | | | |
| January | 4,281 | 1,643 | 5,923 | 203 | 14.2 | 51 | 507 | 456 |
| February | 4,276 | 1,357 | 5,633 | 267 | 24.5 | 57 | 344 | 287 |
| March | 4,274 | 1,119 | 5,393 | 184 | 19.8 | 113 | 353 | 240 |
| April | 4,271 | 1,306 | 5,576 | 312 | 31.5 | 250 | 68 | -182 |
| May | 4,272 | 1,691 | 5,963 | 398 | 30.9 | 407 | 20 | -387 |
| June | 4,269 | 2,030 | 6,300 | 378 | 23.0 | 358 | 29 | -329 |
| July | 4,312 | 2,337 | 6,649 | 385 | 19.8 | 345 | 36 | -309 |
| August | 4,274 | 2,606 | 6,880 | 332 | 14.7 | 312 | 37 | -275 |
| September | 4,273 | 2,844 | 7,118 | 247 | 9.6 | 274 | 41 | -233 |
| October | 4,275 | 3,076 | 7,350 | 280 | 10.1 | 263 | 34 | -229 |
| November | 4,276 | 3,036 | 7,313 | 430 | 16.6 | 114 | 150 | 36 |
| December | 4,259 | 2,626 | 6,884 | 532 | 25.5 | 64 | 485 | 421 |
| **Total** | — | — | — | — | — | **2,608** | **2,103** | **-504** |
| **1999** | | | | | | | | |
| January | 4,257 | 2,010 | 6,268 | 367 | 22.4 | 37 | 638 | 601 |
| February | 4,245 | 1,714 | 5,960 | 363 | 26.8 | 47 | 375 | 328 |
| March | 4,294 | 1,363 | 5,657 | 242 | 21.6 | 67 | 355 | 289 |
| April | 4,288 | 1,437 | 5,725 | 134 | 10.3 | 175 | 94 | -81 |
| May | 4,279 | 1,753 | 6,031 | 61 | 3.6 | 351 | 31 | -320 |
| June | 4,279 | 2,055 | 6,333 | 35 | 1.7 | 324 | 24 | -300 |
| July | 4,285 | 2,296 | 6,581 | -30 | -1.3 | 287 | 54 | -233 |
| August | 4,276 | 2,530 | 6,806 | -75 | -2.9 | 287 | 56 | -231 |
| September | 4,294 | 2,772 | 7,066 | -73 | -2.5 | 329 | 29 | -300 |
| October | 4,293 | 2,912 | 7,205 | -164 | -5.3 | 217 | 70 | -147 |
| November | 4,297 | 2,869 | 7,166 | -168 | -5.5 | 149 | 183 | 34 |
| December | 4,306 | 2,409 | 6,715 | -217 | -8.3 | 36 | 535 | 499 |
| **Total** | — | — | — | — | — | **2,306** | **2,444** | **138** |
| **2000** | | | | | | | | |
| January | 4,295 | 1,649 | 5,944 | -361 | -17.9 | 33 | 779 | 746 |
| February | 4,302 | 1,234 | 5,537 | -480 | -28.0 | 55 | 511 | 455 |

[a] Total as of December 31.

— Not Applicable.

**Notes:** Data for 1994 through 1998 are final. All other data are preliminary unless otherwise noted. See Explanatory Note 7 for discussion of the reporting of underground storage information. Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. This is due to changes in the quantities of native gas included in base gas and/or losses in base gas due to migration from storage reservoirs. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia. Positive net withdrawals indicate the volume of withdrawals in excess of injections. Negative net withdrawals indicate the volume of injections in excess of withdrawals.

**Sources:** Form EIA-191, "Monthly Underground Gas Storage Report," and Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Table 13

# Table 13. Net Withdrawals from Underground Storage, by State, 1998-2000

(Volumes in Million Cubic Feet)

| State | 2000 | | 1999 | | | | |
|---|---|---|---|---|---|---|---|
| | February | January | Total | December | November | October | September |
| Alabama | -307 | 916 | -164 | 189 | -134 | 77 | -402 |
| Arkansas | 1,228 | 1,722 | 233 | 1,276 | 423 | -219 | -237 |
| California | 21,871 | 27,322 | -1,134 | 23,168 | -4,713 | -4,840 | -9,773 |
| Colorado | 3,627 | 6,198 | -1,151 | 5,102 | -875 | -2,419 | -4,873 |
| Illinois | 34,403 | 59,032 | -492 | 38,144 | 2,249 | -28,933 | -38,601 |
| Indiana | 1,448 | 7,049 | 187 | 4,137 | -2,154 | -3,753 | -4,225 |
| Iowa | 11,385 | 21,126 | 846 | 21,305 | 1,096 | -10,941 | -13,108 |
| Kansas | 9,643 | 25,461 | 16,997 | 22,749 | 979 | -1,014 | -14,496 |
| Kentucky | 10,109 | 21,162 | 2,256 | 10,764 | 2,283 | -1,117 | -10,052 |
| Louisiana | 38,771 | 52,444 | -4,822 | 31,136 | 4,760 | -12,129 | -32,350 |
| Maryland | 3,384 | 5,481 | -78 | 1,417 | 459 | -3,376 | -1,411 |
| Michigan | 80,436 | 162,410 | 33,967 | 97,764 | 6,940 | -21,286 | -45,478 |
| Minnesota | 298 | 401 | -253 | 147 | -128 | -175 | -272 |
| Mississippi | -595 | 11,377 | 14,304 | 8,997 | -2,641 | 1,133 | -2,086 |
| Missouri | -548 | 1,122 | -557 | 341 | -174 | -205 | -408 |
| Montana | 3,191 | 4,177 | 8,194 | 2,673 | 1,189 | 519 | -1,472 |
| Nebraska | 1,313 | 1,019 | -294 | 491 | -298 | -477 | -1,732 |
| New Mexico | 1,034 | 1,032 | -2,293 | 814 | -1,202 | -260 | -2,232 |
| New York | 13,702 | 18,533 | 8,773 | 12,598 | 1,472 | -938 | -5,725 |
| Ohio | 36,569 | 58,844 | 15,699 | 43,488 | 8,486 | -9,284 | -25,111 |
| Oklahoma | 36,526 | 45,987 | -10,508 | 15,213 | -2,795 | -11,483 | -15,540 |
| Oregon | 1,566 | 2,088 | -409 | 1,381 | -592 | 0 | -1,542 |
| Pennsylvania | 66,917 | 111,718 | 20,463 | 68,921 | 4,194 | -19,002 | -41,487 |
| Tennessee | 63 | 175 | -28 | 164 | 56 | -57 | -105 |
| Texas | 34,595 | 54,376 | 387 | 38,053 | -770 | -11,096 | -10,532 |
| Utah | 7,585 | 10,093 | 9,193 | 12,584 | 957 | -1,889 | -4,860 |
| Virginia | 105 | 695 | 129 | 467 | 182 | -110 | -418 |
| Washington | 2,566 | 7,755 | -2,543 | 1,684 | -38 | -1,402 | -402 |
| West Virginia | 30,334 | 57,742 | 35,234 | 46,582 | 10,697 | -3,299 | -20,378 |
| Wyoming | 2,373 | 2,935 | -995 | 2,378 | 545 | -306 | -1,030 |
| **AGA Regions** | | | | | | | |
| Producing | 121,202 | 192,398 | 14,300 | 118,238 | -1,246 | -35,067 | -77,473 |
| Eastern Consuming | 289,313 | 527,024 | 115,941 | 346,773 | 35,355 | -102,700 | -208,641 |
| Western Consuming | 43,076 | 60,969 | 10,902 | 49,118 | -3,655 | -10,511 | -24,223 |
| **Total** | **453,592** | **780,391** | **141,142** | **514,128** | **30,454** | **-148,279** | **-310,337** |

See footnotes at end of table.

## Table 13. Net Withdrawals from Underground Storage, by State, 1998-2000

(Volumes in Million Cubic Feet) — Continued

| State | 1999 | | | | | |
|---|---|---|---|---|---|---|
| | August | July | June | May | April | March |
| Alabama | -81 | -235 | -210 | -471 | -137 | 312 |
| Arkansas | -901 | -1,116 | -1,086 | -1,045 | -667 | 690 |
| California | 2,919 | -11,199 | -20,737 | -27,111 | -911 | 9,782 |
| Colorado | -5,436 | -6,692 | -5,526 | -307 | 8,881 | 3,319 |
| Illinois | -30,924 | -23,880 | -24,188 | -27,851 | 7,599 | 27,580 |
| Indiana | -2,797 | -1,681 | -1,625 | -758 | 921 | 3,622 |
| Iowa | -12,914 | -10,783 | -6,837 | -4,596 | 86 | 5,170 |
| Kansas | -9,796 | -3,006 | -17,080 | -12,144 | 5,085 | 13,977 |
| Kentucky | -1,241 | -3,773 | -10,131 | -8,328 | -2,297 | 6,081 |
| Louisiana | -3,569 | -3,546 | -19,988 | -22,324 | -16,632 | 10,263 |
| Maryland | -1,954 | 1,324 | 93 | -2,551 | -667 | 1,208 |
| Michigan | -50,880 | -51,556 | -51,441 | -49,536 | -23,148 | 53,123 |
| Minnesota | -250 | -308 | -172 | 0 | 214 | 167 |
| Mississippi | -1,088 | 852 | -3,642 | -5,105 | -2,240 | 6,840 |
| Missouri | -64 | 6 | 6 | -697 | -27 | 150 |
| Montana | -2,542 | -1,794 | -1,784 | -568 | 1,329 | 2,410 |
| Nebraska | -1,004 | 478 | -697 | -701 | 1,168 | 1,338 |
| New Mexico | -841 | -172 | -443 | -1,371 | 1,025 | 943 |
| New York | -6,853 | -5,915 | -6,909 | -9,935 | -5,300 | 10,688 |
| Ohio | -27,587 | -27,798 | -27,954 | -33,732 | -5,317 | 33,698 |
| Oklahoma | -1,222 | -748 | -9,556 | -14,068 | -8,791 | 8,079 |
| Oregon | -1,313 | -2,114 | -2,013 | 168 | 735 | 1,185 |
| Pennsylvania | -37,841 | -27,925 | -36,090 | -44,102 | -24,525 | 44,023 |
| Tennessee | -104 | -76 | -107 | -143 | 3 | 80 |
| Texas | -7,923 | -6,519 | -21,602 | -30,819 | -15,510 | 14,152 |
| Utah | -4,582 | -7,489 | -5,915 | -3,772 | 1,667 | 5,738 |
| Virginia | -207 | -209 | -211 | -273 | -184 | 325 |
| Washington | -2,951 | -3,595 | -1,765 | -786 | 1,852 | 1,113 |
| West Virginia | -22,999 | -23,517 | -26,426 | -32,000 | -13,958 | 30,271 |
| Wyoming | -1,371 | -2,294 | -1,661 | -2,132 | -990 | 352 |
| **AGA Regions** | | | | | | |
| Producing | -25,340 | -14,255 | -73,397 | -86,875 | -37,730 | 54,944 |
| Eastern Consuming | -197,450 | -175,542 | -192,727 | -215,674 | -65,782 | 217,668 |
| Western Consuming | -15,526 | -35,485 | -39,575 | -34,509 | 12,778 | 24,066 |
| **Total** | **-238,316** | **-225,282** | **-305,699** | **-337,059** | **-90,735** | **296,678** |

See footnotes at end of table.

Table 13

# Table 13. Net Withdrawals from Underground Storage, by State, 1998-2000

(Volumes in Million Cubic Feet) — Continued

| State | 1999 | | 1998 | | | | |
|---|---|---|---|---|---|---|---|
| | February | January | Total | December | November | October | September |
| Alabama | 114 | 813 | -447 | 139 | -1 | -613 | 401 |
| Arkansas | 1,049 | 2,066 | -1,774 | 1,245 | 63 | -580 | -817 |
| California | 18,491 | 23,789 | -40,969 | 30,486 | -14,022 | -23,861 | -5,931 |
| Colorado | 3,684 | 3,990 | -5,072 | 7,324 | -1,757 | -2,045 | -5,894 |
| Illinois | 41,907 | 56,407 | -9,780 | 42,407 | 9,311 | -30,361 | -39,382 |
| Indiana | 2,942 | 5,558 | -921 | 4,063 | -2,296 | -2,901 | -4,532 |
| Iowa | 11,814 | 20,553 | -2,954 | 20,920 | -178 | -7,251 | -12,282 |
| Kansas | 9,273 | 22,470 | -18,691 | 14,533 | 3,580 | -8,545 | -9,036 |
| Kentucky | 7,825 | 12,241 | -11,700 | 10,352 | 1,731 | -5,424 | -4,214 |
| Louisiana | 15,966 | 43,591 | -82,860 | 38,463 | 1,355 | -36,341 | -9,007 |
| Maryland | 1,982 | 3,399 | -876 | 1,882 | 29 | -1,312 | -809 |
| Michigan | 57,189 | 112,276 | -74,840 | 60,982 | 18,759 | -27,000 | -30,308 |
| Minnesota | 238 | 287 | 372 | 438 | -84 | -187 | -275 |
| Mississippi | 3,303 | 9,981 | -10,185 | 5,464 | 702 | -10,304 | 268 |
| Missouri | 343 | 170 | 173 | 573 | -204 | -208 | -414 |
| Montana | 3,375 | 4,860 | -400 | 3,962 | 2,606 | -1,532 | -4,239 |
| Nebraska | 442 | 698 | 1,466 | 1,336 | 625 | -308 | -778 |
| New Mexico | 83 | 1,364 | -6,479 | -619 | -1,243 | -1,903 | -470 |
| New York | 10,057 | 15,534 | -10,656 | 6,889 | 1,047 | -4,424 | -5,650 |
| Ohio | 33,362 | 53,448 | -26,672 | 35,491 | 7,882 | -12,789 | -19,356 |
| Oklahoma | -881 | 31,284 | -48,008 | 24,711 | 106 | -19,358 | -12,262 |
| Oregon | 1,717 | 1,979 | -1,278 | 1,329 | 49 | 9 | -1,141 |
| Pennsylvania | 50,445 | 83,851 | -40,009 | 46,685 | 858 | -20,516 | -28,003 |
| Tennessee | 131 | 130 | -62 | 131 | -2 | -103 | -102 |
| Texas | 9,654 | 43,297 | -102,117 | 36,724 | -2,512 | -34,274 | -4,692 |
| Utah | 6,185 | 10,569 | 676 | 6,533 | 2,087 | -1,821 | -3,970 |
| Virginia | 449 | 317 | -510 | 371 | 47 | -204 | -244 |
| Washington | 3,144 | 603 | -539 | 3,223 | -732 | 718 | -1,825 |
| West Virginia | 36,278 | 53,983 | -28,267 | 27,238 | 3,983 | -6,935 | -16,431 |
| Wyoming | 2,050 | 3,464 | -2,719 | 2,677 | -590 | -1,425 | -2,614 |
| **AGA Regions** | | | | | | | |
| Producing | 38,447 | 154,055 | -270,114 | 120,522 | 2,052 | -111,305 | -36,017 |
| Eastern Consuming | 255,282 | 419,379 | -206,056 | 259,459 | 41,592 | -120,349 | -162,103 |
| Western Consuming | 38,885 | 49,540 | -49,929 | 55,973 | -12,444 | -30,145 | -25,888 |
| **Total** | **332,615** | **622,974** | **-526,099** | **435,953** | **31,200** | **-261,799** | **-224,007** |

See footnotes at end of table.

# Table 13. Net Withdrawals from Underground Storage, by State, 1998-2000

(Volumes in Million Cubic Feet) — Continued

| State | 1998 | | | | | | |
|---|---|---|---|---|---|---|---|
| | August | July | June | May | April | March | February |
| Alabama | -200 | 9 | -623 | -144 | -245 | 248 | 187 |
| Arkansas | -1,005 | -1,034 | -1,100 | -1,046 | -471 | 1,039 | 875 |
| California | -7,171 | -9,351 | -27,432 | -29,142 | -10,607 | -2,021 | 27,350 |
| Colorado | -5,866 | -4,055 | -3,907 | -6,024 | 3,583 | 3,844 | 6,255 |
| Illinois | -32,631 | -25,975 | -32,534 | -25,812 | -559 | 28,954 | 37,109 |
| Indiana | -4,058 | -2,987 | -519 | -483 | 929 | 4,371 | 3,335 |
| Iowa | -10,097 | -14,097 | -8,440 | -3,579 | 387 | 6,794 | 5,558 |
| Kansas | -11,957 | -12,830 | -6,032 | -18,906 | -6,791 | 14,242 | 8,141 |
| Kentucky | -7,859 | -11,061 | -8,191 | -11,810 | -2,512 | 7,813 | 9,965 |
| Louisiana | -20,195 | -25,554 | -14,745 | -22,813 | -23,161 | 7,319 | 264 |
| Maryland | -1,413 | -2,954 | -1,266 | -816 | -1,138 | 1,464 | 2,507 |
| Michigan | -52,147 | -60,115 | -69,950 | -69,619 | -31,658 | 55,729 | 46,095 |
| Minnesota | -284 | -289 | -169 | 0 | 159 | 416 | 203 |
| Mississippi | -4,119 | -6,008 | -2,924 | -3,418 | -3,682 | 2,243 | 4,112 |
| Missouri | -203 | 8 | 143 | -460 | 48 | 423 | 10 |
| Montana | -4,524 | -2,294 | -2,024 | -2,570 | 224 | 3,017 | 2,554 |
| Nebraska | -524 | -727 | -422 | -773 | 860 | 1,261 | 425 |
| New Mexico | -919 | -429 | -180 | -1,120 | 287 | 658 | -130 |
| New York | -5,731 | -7,931 | -8,569 | -11,697 | -4,090 | 8,738 | 9,298 |
| Ohio | -27,403 | -31,408 | -26,039 | -36,194 | -14,843 | 28,785 | 34,200 |
| Oklahoma | -7,283 | -7,570 | -12,648 | -23,402 | -19,472 | 7,174 | 715 |
| Oregon | -1,143 | -1,188 | -1,968 | 0 | 80 | 923 | 1,238 |
| Pennsylvania | -19,997 | -33,256 | -39,947 | -58,295 | -34,442 | 39,608 | 49,416 |
| Tennessee | -112 | -134 | 0 | 0 | 0 | 83 | 60 |
| Texas | -12,193 | -20,397 | -20,094 | -27,224 | -40,175 | -8,935 | -3,634 |
| Utah | -3,554 | -3,497 | -3,938 | -3,543 | 267 | 1,430 | 5,033 |
| Virginia | -322 | -185 | -296 | -304 | -203 | 322 | 444 |
| Washington | -3,645 | -313 | -2,967 | -3,938 | 1,542 | 3,328 | 4,131 |
| West Virginia | -29,122 | -28,626 | -26,455 | -26,087 | -14,668 | 23,897 | 32,869 |
| Wyoming | -2,007 | -2,807 | -3,398 | -1,332 | 116 | 2,499 | 2,092 |
| **AGA Regions** | | | | | | | |
| Producing | -57,671 | -73,822 | -57,723 | -97,929 | -93,466 | 23,740 | 10,342 |
| Eastern Consuming | -191,819 | -219,439 | -223,109 | -246,072 | -102,134 | 208,491 | 231,479 |
| Western Consuming | -28,194 | -23,795 | -45,804 | -46,550 | -4,634 | 13,435 | 48,858 |
| **Total** | **-277,684** | **-317,056** | **-326,636** | **-390,552** | **-200,234** | **245,667** | **290,679** |

**Notes:** This table contains total net withdrawals for each State with natural gas storage facilities. Positive numbers indicate the volume of withdrawals in excess of injections. Negative values indicate the volume of injections in excess of withdrawals. Data through 1998 are final. All other data are preliminary at this time and are not considered final until publication of the *Natural Gas Annual* for that year. The American Gas Association (AGA) publishes weekly estimates of working gas levels in underground storage by region. AGA defines the Producing Region as Texas, Oklahoma, Kansas, New Mexico, Louisiana, Arkansas, and Mississippi; the Eastern Consuming Region as all States east of the Mississippi River less Mississippi, plus Iowa, Nebraska and Missouri; the Western Consuming Region as all States west of the Mississippi River less the Producing Region and Iowa, Nebraska and Missouri.

**Source:** Form EIA-191, "Monthly Underground Gas Storage Report."

Table 14

# Table 14. Activities of Underground Natural Gas Storage Operators, by State, February 2000

(Volumes in Million Cubic Feet)

| State | Total Storage Capacity | Natural Gas in Underground Storage at End of Period | | | Change in Working Gas from Same Period Previous Year | | Storage Activity | |
|---|---|---|---|---|---|---|---|---|
| | | Base Gas | Working Gas | Total | Volume | Percent | Injections | Withdrawals |
| Alabama | 3,280 | 1,190 | 863 | 2,053 | 175 | 25.4 | 534 | 227 |
| Arkansas | 24,191 | 8,715 | 4,396 | 13,111 | 16 | 0.4 | 0 | 1,228 |
| California | 388,370 | 246,825 | 119,821 | 366,646 | -7,829 | -6.1 | 945 | 22,816 |
| Colorado | 99,600 | 48,229 | 26,523 | 74,753 | -667 | -2.5 | 905 | 4,532 |
| Illinois | 898,565 | 671,781 | 96,786 | 768,567 | -27,309 | -22.0 | 4,833 | 39,236 |
| Indiana | 113,210 | 73,875 | 22,647 | 96,521 | -390 | -1.7 | 758 | 2,206 |
| Iowa | 273,200 | 200,700 | 10,232 | 210,932 | -2,618 | -20.4 | 532 | 11,917 |
| Kansas | 301,102 | 179,295 | 42,078 | 221,373 | -19,772 | -32.0 | 5,890 | 15,534 |
| Kentucky | 219,908 | 109,120 | 59,563 | 168,683 | -13,462 | -18.4 | 1,543 | 11,653 |
| Louisiana | 564,062 | 268,289 | 112,704 | 380,992 | -50,116 | -30.8 | 12,517 | 51,288 |
| Maryland | 62,000 | 46,677 | 4,053 | 50,731 | -3,406 | -45.7 | 822 | 4,206 |
| Michigan | 1,071,699 | 468,260 | 265,475 | 733,735 | -83,900 | -24.0 | 11,238 | 91,675 |
| Minnesota | 7,000 | 4,623 | 1,484 | 6,107 | 79 | 5.6 | 0 | 298 |
| Mississippi | 134,012 | 76,828 | 26,993 | 103,821 | -11,116 | -29.2 | 5,611 | 5,016 |
| Missouri | 31,274 | 21,600 | 9,256 | 30,856 | 498 | 5.7 | 596 | 48 |
| Montana | 371,510 | 167,351 | 31,030 | 198,381 | -7,217 | -18.9 | 233 | 3,424 |
| Nebraska | 39,469 | 31,507 | 1,360 | 32,867 | -719 | -34.6 | 54 | 1,367 |
| New Mexico | 96,600 | 29,758 | 7,294 | 37,051 | -134 | -1.8 | 489 | 1,523 |
| New York | 175,129 | 103,063 | 25,500 | 128,563 | -33,417 | -56.7 | 646 | 14,349 |
| Ohio | 575,384 | 349,978 | 45,386 | 395,364 | -22,178 | -32.8 | 1,196 | 37,765 |
| Oklahoma | 394,827 | 217,293 | 45,876 | 263,169 | -52,366 | -53.3 | 2,196 | 38,722 |
| Oregon | 11,623 | 6,834 | 3,912 | 10,746 | 451 | 13.0 | 0 | 1,566 |
| Pennsylvania | 684,842 | 353,915 | 113,034 | 466,950 | -62,028 | -35.4 | 10,251 | 77,169 |
| Tennessee | 1,200 | 340 | 515 | 855 | -17 | -3.2 | 4 | 66 |
| Texas | 684,226 | 250,397 | 153,346 | 403,742 | -56,411 | -26.9 | 12,838 | 47,433 |
| Utah | 121,980 | 64,601 | 12,054 | 76,656 | -9,335 | -43.6 | 1 | 7,586 |
| Virginia | 4,669 | 2,441 | 843 | 3,283 | -228 | -21.3 | 267 | 372 |
| Washington | 37,300 | 19,000 | 6,253 | 25,253 | -2,095 | -25.1 | 638 | 3,204 |
| West Virginia | 733,158 | 287,841 | 34,013 | 321,853 | -27,081 | -44.3 | 2,484 | 32,819 |
| Wyoming | 105,869 | 60,762 | 17,125 | 77,887 | 1,333 | 8.4 | 0 | 2,373 |
| **AGA Regions** | | | | | | | | |
| Producing | 2,199,020 | 1,030,574 | 392,686 | 1,423,260 | -189,899 | -32.6 | 39,542 | 160,744 |
| Eastern Consuming | 4,886,987 | 2,722,288 | 689,526 | 3,411,814 | -276,079 | -28.6 | 35,760 | 325,073 |
| Western Consuming | 1,143,251 | 618,225 | 218,203 | 836,428 | -25,280 | -10.4 | 2,722 | 45,799 |
| **Total** | **8,229,259** | **4,371,088** | **1,300,414** | **5,671,502** | **-491,258** | **-27.4** | **78,024** | **531,615** |

**Notes:** Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. This is due to changes in the quantities of native gas included in base gas and/or losses in base gas due to migration from storage reservoirs. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia. The American Gas Association (AGA) publishes weekly estimates of working gas levels in underground storage by region. AGA defines the Producing Region as Texas, Oklahoma, Kansas, New Mexico, Louisiana, Arkansas, and Mississippi; the Eastern Consuming Region as all States east of the Mississippi River less Mississippi, plus Iowa, Nebraska and Missouri; the Western Consuming Region as all States west of the Mississippi River less the Producing Region and Iowa, Nebraska and Missouri.

**Source:** Form EIA-191, "Monthly Underground Gas Storage Report."

# Table 15. Natural Gas Deliveries to Residential Consumers, by State, 1998-2000

(Million Cubic Feet)

| State | 2000 | 1999 | | | | |
|---|---|---|---|---|---|---|
| | January | Total | December | November | October | September |
| Alabama | 8,470 | 43,592 | 5,881 | 3,137 | 1,594 | 1,212 |
| Alaska | 2,354 | 17,634 | 2,466 | 2,127 | 1,423 | 870 |
| Arizona | 6,804 | 32,827 | 4,643 | 1,682 | 1,165 | 1,006 |
| Arkansas | NA | NA | 4,645 | NA | 1,238 | 980 |
| California | 66,689 | 568,355 | 65,661 | 34,480 | 25,260 | 24,491 |
| Colorado | NA | 113,871 | 15,043 | 8,328 | 5,670 | 3,035 |
| Connecticut | 7,516 | 37,683 | 4,781 | 3,046 | 1,513 | 947 |
| Delaware | 1,800 | 8,845 | 1,114 | 575 | 278 | 169 |
| District of Columbia | 2,698 | NA | 988 | 1,028 | 483 | 325 |
| Florida | NA | 13,025 | 1,526 | 944 | 641 | 611 |
| Georgia | NA | NA | NA | NA | NA | NA |
| Hawaii | 48 | 524 | 42 | 36 | 44 | 41 |
| Idaho | 3,317 | 17,870 | 2,508 | 1,526 | 867 | 436 |
| Illinois | 84,522 | 445,054 | 73,446 | 38,561 | 26,429 | 12,550 |
| Indiana | NA | NA | NA | NA | NA | NA |
| Iowa | 14,061 | 71,541 | 10,649 | 5,611 | 3,470 | 1,833 |
| Kansas | 13,693 | NA | 9,572 | 4,233 | 2,807 | 1,572 |
| Kentucky | 13,682 | 59,662 | 10,875 | 5,456 | 2,628 | 1,402 |
| Louisiana | 8,400 | 44,525 | 5,696 | 3,249 | 2,069 | 1,733 |
| Maine | 165 | 965 | 151 | 95 | 62 | 29 |
| Maryland | 15,964 | NA | 10,623 | 6,241 | 3,525 | 1,951 |
| Massachusetts | NA | NA | NA | NA | NA | NA |
| Michigan | 63,259 | 349,334 | 47,305 | 29,664 | 18,342 | 7,838 |
| Minnesota | NA | NA | NA | NA | 7,112 | 3,367 |
| Mississippi | 5,121 | NA | 3,161 | 1,650 | 883 | 796 |
| Missouri | 21,157 | 112,803 | 14,561 | 6,894 | 4,181 | 2,748 |
| Montana | 3,119 | 19,684 | 2,842 | 1,983 | 1,342 | 636 |
| Nebraska | 7,223 | 40,412 | 5,117 | 2,727 | 2,131 | 792 |
| Nevada | NA | 28,924 | 4,420 | 2,008 | 1,214 | 958 |
| New Hampshire | 1,229 | 6,626 | 783 | 563 | 311 | 161 |
| New Jersey | 32,352 | NA | NA | NA | NA | NA |
| New Mexico | 5,183 | NA | 10,279 | 6,327 | NA | NA |
| New York | NA | NA | NA | NA | NA | NA |
| North Carolina | 11,216 | 53,069 | 6,933 | 3,954 | 1,684 | 1,037 |
| North Dakota | NA | NA | NA | 960 | 662 | 301 |
| Ohio | 62,083 | NA | 46,581 | 27,730 | 17,320 | 6,865 |
| Oklahoma | 11,008 | 62,023 | 7,527 | 3,631 | 2,219 | 1,513 |
| Oregon | 6,643 | 37,974 | 5,309 | 3,060 | 1,592 | 921 |
| Pennsylvania | 48,155 | 240,754 | 34,006 | 19,778 | 11,580 | 5,776 |
| Rhode Island | 2,857 | 16,684 | 1,736 | 1,227 | 691 | 445 |
| South Carolina | 5,552 | 25,708 | 3,805 | 2,096 | 737 | 488 |
| South Dakota | 2,149 | 11,766 | 1,628 | 918 | 607 | 300 |
| Tennessee | 14,395 | NA | 6,612 | 4,257 | 1,936 | 1,526 |
| Texas | 56,893 | 167,593 | 21,575 | 10,810 | 6,857 | 5,848 |
| Utah | 8,319 | 55,474 | 9,614 | 5,321 | 3,567 | 2,285 |
| Vermont | 465 | 2,585 | 296 | 214 | 124 | 59 |
| Virginia | 14,846 | NA | 10,564 | 5,707 | 2,928 | 1,488 |
| Washington | NA | NA | NA | NA | NA | NA |
| West Virginia | 5,319 | NA | NA | NA | 1,349 | 688 |
| Wisconsin | 25,439 | 127,909 | 21,789 | 11,462 | 7,988 | 3,442 |
| Wyoming | 1,661 | 11,926 | 1,525 | 879 | 746 | 508 |
| **Total** | **877,716** | **4,665,773** | **647,886** | **362,196** | **226,529** | **135,338** |

See footnotes at end of table.

Table 15

## Table 15. Natural Gas Deliveries to Residential Consumers, by State, 1998-2000

(Million Cubic Feet) — Continued

| State | 1999 | | | | | |
|---|---|---|---|---|---|---|
| | August | July | June | May | April | March |
| Alabama | 1,151 | 1,287 | 1,387 | 1,914 | 3,979 | 6,535 |
| Alaska | 481 | 486 | 559 | 939 | 1,315 | 2,075 |
| Arizona | 963 | 1,065 | 1,352 | 2,109 | 3,319 | 3,694 |
| Arkansas | 952 | 998 | 1,030 | 1,641 | 3,732 | 5,157 |
| California | 23,371 | 25,721 | 32,952 | 40,596 | 62,112 | 67,403 |
| Colorado | 2,802 | 3,145 | 4,769 | 9,761 | 10,816 | 13,735 |
| Connecticut | 853 | 946 | 1,128 | 1,879 | 3,623 | 5,780 |
| Delaware | 168 | 201 | 254 | 497 | 989 | 1,574 |
| District of Columbia | 315 | NA | 399 | 687 | 1,269 | 2,324 |
| Florida | 605 | 647 | 712 | 841 | 1,217 | 1,651 |
| Georgia | NA | 2,246 | 1,525 | NA | 4,937 | 11,239 |
| Hawaii | 41 | 45 | 43 | 44 | 46 | 44 |
| Idaho | 359 | 428 | 645 | 1,244 | 1,875 | 2,257 |
| Illinois | 9,093 | 9,972 | 11,127 | 15,873 | 31,264 | 61,443 |
| Indiana | 3,329 | 3,672 | 5,062 | NA | NA | NA |
| Iowa | 1,233 | 1,825 | 1,597 | 3,082 | 5,544 | 9,861 |
| Kansas | 1,696 | 1,556 | 2,170 | 3,603 | 6,284 | NA |
| Kentucky | 1,190 | 1,174 | 1,336 | 1,806 | 4,113 | 9,268 |
| Louisiana | 1,649 | 1,761 | 1,908 | 2,264 | 3,754 | 5,450 |
| Maine | 25 | 22 | 31 | 45 | 76 | 131 |
| Maryland | 1,733 | NA | 2,172 | NA | 6,125 | NA |
| Massachusetts | NA | NA | NA | NA | NA | NA |
| Michigan | 6,432 | 6,908 | 10,413 | 16,098 | 31,611 | 53,870 |
| Minnesota | 2,523 | 2,243 | 3,103 | 4,967 | 8,560 | 15,337 |
| Mississippi | 690 | 784 | 813 | 1,063 | NA | 3,299 |
| Missouri | 2,296 | 2,557 | 3,089 | 5,321 | 9,692 | 16,624 |
| Montana | 378 | 518 | 645 | 1,380 | 1,894 | 2,114 |
| Nebraska | 1,118 | 1,003 | 1,180 | 2,351 | 3,735 | 5,726 |
| Nevada | 926 | 945 | 1,240 | 1,853 | 2,718 | 3,349 |
| New Hampshire | 142 | 153 | 195 | 371 | 672 | 991 |
| New Jersey | NA | NA | NA | NA | NA | NA |
| New Mexico | NA | 822 | 922 | 1,163 | 2,876 | 6,499 |
| New York | NA | NA | NA | NA | NA | NA |
| North Carolina | 924 | 1,118 | 1,316 | 2,605 | 5,341 | 9,456 |
| North Dakota | 197 | 232 | 266 | 627 | 984 | 1,318 |
| Ohio | NA | 6,624 | 7,972 | 12,577 | 26,862 | 51,348 |
| Oklahoma | 1,444 | 1,657 | 1,923 | 3,079 | 6,228 | 8,399 |
| Oregon | 811 | 839 | 1,635 | 2,754 | 3,888 | 5,047 |
| Pennsylvania | 4,808 | 5,112 | 6,518 | 11,260 | 21,700 | 37,498 |
| Rhode Island | 399 | 531 | 557 | 949 | 1,702 | 2,704 |
| South Carolina | 448 | 492 | 570 | 1,195 | 2,226 | 4,375 |
| South Dakota | 224 | 274 | 324 | 629 | 1,140 | 1,486 |
| Tennessee | 1,162 | 1,066 | 1,422 | NA | NA | 7,650 |
| Texas | 5,300 | 5,982 | 6,729 | 8,323 | 14,678 | 18,993 |
| Utah | 1,484 | 2,254 | 1,648 | 2,663 | 5,267 | 5,425 |
| Vermont | 57 | 56 | 77 | 159 | 284 | 377 |
| Virginia | 1,404 | 1,524 | 1,605 | NA | 5,135 | 11,359 |
| Washington | NA | NA | NA | NA | NA | NA |
| West Virginia | NA | 533 | 656 | NA | NA | NA |
| Wisconsin | 2,821 | 2,675 | 3,272 | 5,018 | 9,062 | 16,429 |
| Wyoming | 226 | 310 | 497 | 1,095 | 1,225 | 1,313 |
| **Total** | **117,262** | **128,007** | **155,053** | **234,185** | **416,530** | **660,029** |

See footnotes at end of table.

# Table 15. Natural Gas Deliveries to Residential Consumers, by State, 1998-2000

(Million Cubic Feet) — Continued

| State | 1999 | | 1998 | | | |
|---|---|---|---|---|---|---|
| | February | January | Total | December | November | October |
| Alabama | 6,297 | 9,218 | 46,544 | 4,447 | 2,468 | 1,320 |
| Alaska | 2,223 | 2,668 | 15,617 | 2,183 | 1,858 | 1,346 |
| Arizona | 5,415 | 6,411 | 36,100 | 4,666 | 2,008 | 1,136 |
| Arkansas | 5,260 | 9,049 | 38,190 | 4,550 | 2,668 | 1,109 |
| California | 77,973 | 88,334 | 549,931 | 68,831 | 40,200 | 26,159 |
| Colorado | 15,467 | 21,300 | 110,839 | 14,812 | 8,806 | 4,366 |
| Connecticut | 6,082 | 7,104 | 35,329 | 4,442 | 3,224 | 1,518 |
| Delaware | 1,469 | 1,560 | 7,755 | 895 | 571 | 231 |
| District of Columbia | 2,309 | 2,915 | 13,249 | 1,563 | 1,088 | 459 |
| Florida | 1,500 | 2,130 | 14,102 | 1,127 | 842 | 685 |
| Georgia | 13,564 | 17,037 | 107,398 | 15,049 | 9,441 | 4,325 |
| Hawaii | 48 | 49 | 535 | 44 | 40 | 39 |
| Idaho | 2,633 | 3,090 | 16,002 | 2,438 | 1,510 | 657 |
| Illinois | 61,466 | 93,829 | 409,812 | 63,990 | 43,853 | 21,536 |
| Indiana | NA | 32,227 | 140,122 | 20,031 | 13,541 | 6,497 |
| Iowa | 10,655 | 16,180 | 68,901 | 10,514 | 6,345 | 3,030 |
| Kansas | NA | NA | 70,217 | 8,767 | 5,820 | 2,322 |
| Kentucky | 8,782 | 11,632 | 55,545 | 9,289 | 6,112 | 2,220 |
| Louisiana | 5,871 | 9,121 | 47,574 | 4,987 | 2,703 | 1,785 |
| Maine | 133 | 165 | 910 | 132 | 95 | 62 |
| Maryland | NA | 14,660 | 68,057 | 9,224 | 6,485 | 2,863 |
| Massachusetts | 17,836 | 12,570 | 102,062 | 12,366 | 9,367 | 4,301 |
| Michigan | 52,118 | 68,735 | 319,701 | 42,328 | 29,671 | 15,956 |
| Minnesota | 17,086 | 25,409 | 110,449 | 18,639 | 12,193 | 5,319 |
| Mississippi | 3,016 | 5,463 | 24,847 | 2,556 | 1,524 | 805 |
| Missouri | 18,572 | 26,270 | 110,779 | 13,873 | 8,099 | 3,355 |
| Montana | 2,494 | 3,457 | 19,172 | 2,931 | 2,069 | 1,266 |
| Nebraska | 5,954 | 8,576 | 40,771 | 4,230 | 3,386 | 1,623 |
| Nevada | 4,332 | 4,962 | 30,023 | 4,335 | 2,526 | 1,367 |
| New Hampshire | 1,036 | 1,246 | 6,267 | 739 | 566 | 294 |
| New Jersey | NA | NA | 196,658 | 25,091 | 17,413 | 8,720 |
| New Mexico | 4,912 | 9,831 | 35,877 | 7,299 | 3,552 | 1,171 |
| New York | NA | NA | 339,512 | 41,937 | 30,010 | 15,308 |
| North Carolina | 7,485 | 11,215 | 50,786 | 5,735 | 4,062 | 1,217 |
| North Dakota | 1,565 | 2,320 | 10,092 | 1,427 | 1,016 | 475 |
| Ohio | 49,202 | 59,175 | 296,576 | 43,384 | 30,086 | 16,290 |
| Oklahoma | 9,446 | 14,958 | 66,521 | 7,513 | 4,245 | 1,743 |
| Oregon | 5,783 | 6,336 | 34,417 | 5,555 | 3,180 | 1,445 |
| Pennsylvania | 36,752 | 45,967 | 217,929 | 29,772 | 21,159 | 10,204 |
| Rhode Island | 2,662 | 3,083 | 16,461 | 1,883 | 1,408 | 645 |
| South Carolina | 3,588 | 5,687 | 25,430 | 2,818 | 1,726 | 575 |
| South Dakota | 1,719 | 2,516 | 11,646 | 1,669 | 1,157 | 533 |
| Tennessee | 8,927 | 14,795 | 59,386 | 8,043 | 4,397 | 1,447 |
| Texas | 22,662 | 39,835 | 199,454 | 28,302 | 12,931 | 7,323 |
| Utah | 7,725 | 8,220 | 56,843 | 9,846 | 5,820 | 4,472 |
| Vermont | 387 | 496 | 2,454 | 289 | 213 | 102 |
| Virginia | 11,272 | 13,064 | 63,186 | 9,067 | 6,203 | 2,499 |
| Washington | NA | NA | 61,936 | 7,989 | 4,731 | 2,427 |
| West Virginia | 4,946 | 6,230 | 29,664 | 3,974 | 2,791 | 1,300 |
| Wisconsin | 17,018 | 26,931 | 115,946 | 18,710 | 11,701 | 6,381 |
| Wyoming | 1,674 | 1,929 | 12,702 | 1,636 | 1,214 | 773 |
| **Total** | **680,078** | **902,680** | **4,520,276** | **615,913** | **398,094** | **202,996** |

See footnotes at end of table.

Table 15

# Table 15. Natural Gas Deliveries to Residential Consumers, by State, 1998-2000

(Million Cubic Feet) — Continued

| State | 1998 | | | | | |
|---|---|---|---|---|---|---|
| | September | August | July | June | May | April |
| Alabama | 1,196 | 1,183 | 1,212 | 1,394 | 2,354 | 4,584 |
| Alaska | 818 | 648 | 479 | 628 | 933 | 1,239 |
| Arizona | 940 | 902 | 1,070 | 1,385 | 2,107 | 3,722 |
| Arkansas | 861 | 872 | 963 | 1,006 | 1,725 | 3,926 |
| California | 22,038 | 21,625 | 25,149 | 33,208 | 38,119 | 54,074 |
| Colorado | 2,806 | 2,541 | 3,454 | 1,664 | 7,886 | 11,619 |
| Connecticut | 927 | 839 | 1,017 | 1,183 | 1,858 | 3,600 |
| Delaware | 176 | 164 | 196 | 250 | 446 | 840 |
| District of Columbia | 340 | 328 | 372 | 436 | 638 | 1,198 |
| Florida | 657 | 649 | 705 | 779 | 920 | 1,509 |
| Georgia | 2,889 | 2,850 | 2,981 | 3,210 | 3,577 | 8,076 |
| Hawaii | 41 | 40 | 45 | 47 | 41 | 49 |
| Idaho | 316 | 292 | 403 | 667 | 906 | 1,563 |
| Illinois | 10,506 | 10,434 | 9,488 | 11,525 | 14,764 | 32,946 |
| Indiana | 3,221 | 2,803 | 2,817 | 3,739 | 5,390 | 12,074 |
| Iowa | 1,435 | 1,445 | 1,596 | 1,436 | 2,808 | 5,824 |
| Kansas | 1,479 | 1,546 | 1,746 | 2,092 | 3,604 | 7,007 |
| Kentucky | 1,150 | 1,081 | 1,293 | 1,295 | 1,955 | 3,926 |
| Louisiana | 1,719 | 1,588 | 1,774 | 1,815 | 2,464 | 4,059 |
| Maine | 27 | 25 | 22 | 31 | 45 | 71 |
| Maryland | 1,882 | 1,904 | 1,874 | 2,139 | 3,047 | 5,778 |
| Massachusetts | 2,588 | 2,370 | 2,848 | 3,827 | 5,550 | 10,361 |
| Michigan | 7,580 | 6,782 | 7,330 | 9,848 | 13,991 | 31,983 |
| Minnesota | 2,678 | 2,461 | 2,540 | 2,765 | 3,735 | 7,122 |
| Mississippi | 725 | 718 | 729 | 812 | 1,253 | 2,283 |
| Missouri | 2,627 | 2,192 | 2,643 | 3,141 | 5,002 | 10,481 |
| Montana | 477 | 471 | 499 | 669 | 865 | 1,672 |
| Nebraska | 883 | 1,030 | 1,011 | 1,202 | 1,968 | 4,339 |
| Nevada | 824 | 813 | 977 | 1,487 | 1,884 | 2,826 |
| New Hampshire | 159 | 156 | 169 | 220 | 355 | 643 |
| New Jersey | 5,100 | 4,945 | 5,345 | 6,164 | 12,559 | 18,824 |
| New Mexico | 841 | 846 | 828 | 286 | 1,279 | 2,609 |
| New York | 9,546 | 8,900 | 15,342 | 12,205 | 18,810 | 32,412 |
| North Carolina | 973 | 914 | 1,058 | 1,207 | 2,272 | 5,083 |
| North Dakota | 198 | 204 | 230 | 286 | 480 | 935 |
| Ohio | 6,390 | 7,314 | 8,085 | 8,568 | 11,640 | 25,083 |
| Oklahoma | 1,449 | 1,409 | 1,624 | 1,889 | 3,326 | 6,412 |
| Oregon | 767 | 668 | 944 | 1,684 | 2,174 | 2,900 |
| Pennsylvania | 5,161 | 5,058 | 5,332 | 6,834 | 9,648 | 19,457 |
| Rhode Island | 436 | 438 | 462 | 622 | 1,001 | 1,662 |
| South Carolina | 471 | 446 | 461 | 543 | 1,067 | 2,457 |
| South Dakota | 248 | 227 | 274 | 304 | 508 | 1,127 |
| Tennessee | 1,159 | 1,093 | 1,164 | 1,397 | 2,586 | 4,992 |
| Texas | 5,893 | 5,774 | 6,039 | 6,086 | 9,090 | 15,365 |
| Utah | 1,916 | 1,335 | 1,266 | 1,962 | 2,248 | 4,863 |
| Vermont | 114 | 57 | 56 | 77 | 118 | 266 |
| Virginia | 1,467 | 1,075 | 1,435 | 1,747 | 2,525 | 4,741 |
| Washington | 1,667 | 1,574 | 1,765 | 2,312 | 3,221 | 5,827 |
| West Virginia | 623 | 526 | 513 | 670 | 1,278 | 2,879 |
| Wisconsin | 2,723 | 2,768 | 2,421 | 3,444 | 4,075 | 9,186 |
| Wyoming | 310 | 307 | 345 | 523 | 735 | 1,278 |
| **Total** | **121,417** | **116,631** | **132,390** | **152,708** | **220,830** | **407,752** |

[NA] Not Available.

**Notes:** Geographic coverage is the 50 States and the District of Columbia. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

**Source:** Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

# Table 16. Natural Gas Deliveries to Commercial Consumers, by State, 1998-2000

(Million Cubic Feet)

| State | 2000 | 1999 | | | | |
|---|---|---|---|---|---|---|
| | January | Total | December | November | October | September |
| Alabama | 3,783 | 28,887 | 3,372 | 2,598 | 2,176 | 1,711 |
| Alaska | 2,812 | 27,122 | 3,432 | 2,998 | 2,185 | 1,520 |
| Arizona | 4,098 | 31,242 | 3,448 | 2,220 | 1,910 | 1,809 |
| Arkansas | NA | NA | 1,176 | NA | NA | NA |
| California | 26,427 | 262,681 | 22,066 | 18,795 | 15,657 | 16,411 |
| Colorado | NA | NA | 7,790 | 4,949 | NA | 2,616 |
| Connecticut | 5,370 | 46,552 | 5,281 | 3,890 | 2,641 | 1,774 |
| Delaware | 942 | 6,029 | 635 | 388 | 305 | 179 |
| District of Columbia | 2,340 | NA | 745 | 1,301 | 896 | 862 |
| Florida | NA | 35,121 | 3,360 | 2,920 | 2,344 | 2,147 |
| Georgia | NA | NA | NA | NA | NA | NA |
| Hawaii | 153 | 1,749 | 147 | 145 | 144 | 144 |
| Idaho | 2,156 | 12,624 | 1,668 | 1,029 | 676 | 459 |
| Illinois | 34,585 | 187,862 | 26,945 | 15,072 | 11,908 | 6,919 |
| Indiana | NA | NA | NA | NA | NA | NA |
| Iowa | 8,123 | 44,813 | 6,400 | 3,271 | 2,575 | 1,626 |
| Kansas | 9,786 | NA | 4,675 | 2,480 | 1,934 | 1,792 |
| Kentucky | 6,775 | 36,301 | 5,357 | 2,931 | 1,860 | 1,189 |
| Louisiana | 2,804 | 23,541 | 2,098 | 1,939 | 1,327 | 1,132 |
| Maine | 454 | 2,555 | 353 | 247 | 165 | 78 |
| Maryland | 6,107 | NA | 7,058 | 4,901 | 3,672 | 3,063 |
| Massachusetts | NA | NA | NA | NA | NA | NA |
| Michigan | 30,349 | 175,362 | 22,733 | 14,306 | 9,440 | 5,870 |
| Minnesota | NA | 89,025 | 12,542 | 7,993 | 5,737 | 3,175 |
| Mississippi | 4,032 | NA | 2,405 | 1,686 | 1,079 | 1,047 |
| Missouri | 10,494 | 63,897 | 7,760 | 3,964 | 2,805 | 2,423 |
| Montana | 2,152 | 11,931 | 1,576 | 1,101 | 733 | 426 |
| Nebraska | 5,588 | 28,000 | 3,012 | 1,787 | 1,156 | 1,067 |
| Nevada | NA | 23,690 | 2,671 | 1,768 | 1,403 | 1,268 |
| New Hampshire | 1,317 | NA | 901 | 616 | 384 | 221 |
| New Jersey | 25,628 | NA | NA | NA | NA | NA |
| New Mexico | 3,847 | NA | 4,876 | 2,976 | NA | NA |
| New York | NA | NA | NA | NA | NA | NA |
| North Carolina | 6,545 | 44,638 | 4,516 | 2,935 | 2,132 | 1,842 |
| North Dakota | NA | NA | NA | 913 | 635 | 338 |
| Ohio | 30,984 | NA | 22,376 | 14,754 | 9,003 | 4,789 |
| Oklahoma | 5,179 | 38,640 | 3,488 | 2,622 | 2,100 | 1,878 |
| Oregon | 4,399 | 28,340 | 3,269 | 2,256 | 1,486 | 1,092 |
| Pennsylvania | 24,491 | 143,660 | 19,024 | 13,226 | 8,541 | 5,168 |
| Rhode Island | 1,163 | 11,838 | 1,019 | 1,309 | 651 | 454 |
| South Carolina | 2,948 | 21,461 | 2,409 | 1,676 | 1,251 | 1,144 |
| South Dakota | 1,617 | 9,578 | 1,228 | 736 | 522 | 301 |
| Tennessee | 10,231 | NA | 5,515 | 3,988 | 3,225 | 2,919 |
| Texas | 27,066 | 187,948 | 19,076 | 15,141 | 11,359 | 11,568 |
| Utah | 4,611 | 30,361 | 4,901 | 2,725 | 1,873 | 1,257 |
| Vermont | 425 | 2,409 | 258 | 209 | 143 | 81 |
| Virginia | 9,381 | 59,723 | 7,458 | 5,005 | 3,541 | 2,617 |
| Washington | NA | NA | NA | NA | NA | NA |
| West Virginia | 3,907 | NA | NA | 2,474 | 1,960 | 1,410 |
| Wisconsin | 14,784 | 87,810 | 12,700 | 7,385 | 5,823 | 2,968 |
| Wyoming | 1,334 | 9,216 | 1,166 | 776 | 678 | 332 |
| **Total** | **493,101** | **3,066,979** | **355,458** | **252,340** | **187,196** | **143,665** |

See footnotes at end of table.

Table 16

# Table 16. Natural Gas Deliveries to Commercial Consumers, by State, 1998-2000

(Million Cubic Feet) — Continued

| State | 1999 | | | | | |
|---|---|---|---|---|---|---|
| | August | July | June | May | April | March |
| Alabama | 1,635 | 1,626 | 1,628 | 1,505 | 2,190 | 3,240 |
| Alaska | 1,311 | 1,213 | 1,326 | 1,759 | 1,962 | 3,009 |
| Arizona | 1,683 | 1,846 | 2,155 | 2,519 | 2,994 | 3,173 |
| Arkansas | 1,520 | 1,303 | NA | NA | 2,508 | 3,392 |
| California | 20,556 | 17,100 | 17,228 | 21,902 | 22,672 | 29,559 |
| Colorado | NA | 2,630 | 3,359 | 5,544 | NA | 7,598 |
| Connecticut | 2,449 | 2,535 | 2,591 | 3,204 | 3,724 | 5,831 |
| Delaware | 159 | 182 | 215 | 350 | 637 | 998 |
| District of Columbia | 840 | NA | 940 | 1,249 | 1,976 | 2,334 |
| Florida | 1,965 | 2,001 | 2,436 | 2,793 | 3,408 | 3,962 |
| Georgia | NA | 1,643 | 1,712 | NA | 2,968 | 5,657 |
| Hawaii | 140 | 144 | 143 | 143 | 147 | 142 |
| Idaho | 420 | 425 | 520 | 852 | 1,233 | 1,532 |
| Illinois | 6,187 | 6,218 | 5,979 | 8,316 | 14,051 | 24,495 |
| Indiana | NA | 2,795 | NA | NA | NA | NA |
| Iowa | 1,246 | 1,520 | 1,406 | 1,762 | 3,777 | 6,196 |
| Kansas | 1,958 | 1,687 | 1,504 | 2,018 | 3,336 | NA |
| Kentucky | 1,845 | 1,014 | 1,218 | 1,690 | 2,570 | 5,149 |
| Louisiana | 1,484 | 1,416 | 1,493 | 1,625 | 2,087 | 2,520 |
| Maine | 74 | 75 | 90 | 122 | 199 | 357 |
| Maryland | 3,081 | NA | 3,186 | NA | 5,678 | NA |
| Massachusetts | NA | NA | 4,936 | 5,322 | 9,335 | 10,580 |
| Michigan | 4,984 | 5,465 | 6,183 | 9,050 | 14,920 | 25,952 |
| Minnesota | 2,956 | 2,645 | 2,860 | 4,058 | 6,911 | 11,125 |
| Mississippi | 1,063 | 1,054 | 1,078 | 1,204 | NA | 2,676 |
| Missouri | 2,080 | 3,128 | 2,471 | 3,258 | 5,235 | 8,535 |
| Montana | 346 | 423 | 492 | 734 | 1,153 | 1,308 |
| Nebraska | 772 | 1,074 | 1,123 | 2,174 | 2,308 | 3,484 |
| Nevada | 1,804 | 1,935 | 1,400 | 1,703 | 1,977 | 2,372 |
| New Hampshire | 227 | 212 | 266 | NA | 658 | 1,026 |
| New Jersey | NA | NA | NA | NA | NA | NA |
| New Mexico | NA | 1,489 | 1,524 | 1,970 | 2,728 | 3,324 |
| New York | NA | NA | NA | NA | NA | NA |
| North Carolina | 1,595 | 1,586 | 1,698 | 2,221 | 3,583 | 9,816 |
| North Dakota | 262 | 279 | 286 | 623 | 909 | 1,253 |
| Ohio | NA | 4,701 | 5,540 | 7,871 | 15,260 | 24,202 |
| Oklahoma | 1,677 | 1,697 | 938 | 2,265 | 3,813 | 4,620 |
| Oregon | 983 | 1,128 | 1,462 | 2,053 | 2,699 | 3,462 |
| Pennsylvania | 4,672 | 4,536 | 5,041 | 6,751 | 12,734 | 20,162 |
| Rhode Island | 334 | 501 | 526 | 650 | 1,085 | 1,731 |
| South Carolina | 1,073 | 1,127 | 1,109 | 1,343 | 1,948 | 3,188 |
| South Dakota | 267 | 313 | 438 | 493 | 914 | 1,149 |
| Tennessee | 2,265 | 2,287 | 3,361 | 2,601 | NA | 6,378 |
| Texas | 12,805 | 12,486 | 12,020 | 12,790 | 15,844 | 17,651 |
| Utah | 902 | 1,090 | 989 | 1,858 | 2,920 | 3,068 |
| Vermont | 77 | 66 | 91 | 140 | 227 | 334 |
| Virginia | 2,671 | 2,613 | 2,584 | 3,250 | 5,242 | 7,620 |
| Washington | NA | NA | NA | NA | NA | NA |
| West Virginia | NA | 1,235 | NA | 1,524 | 2,253 | 3,496 |
| Wisconsin | 3,189 | 3,056 | 2,948 | 3,362 | 6,980 | 11,437 |
| Wyoming | 174 | 315 | 448 | 844 | 941 | 1,070 |
| **Total** | **145,048** | **139,945** | **144,172** | **180,268** | **260,656** | **383,047** |

See footnotes at end of table.

## Table 16. Natural Gas Deliveries to Commercial Consumers, by State, 1998-2000

(Million Cubic Feet) — Continued

| State | 1999 | | 1998 | | | |
|---|---|---|---|---|---|---|
| | February | January | Total | December | November | October |
| Alabama | 3,145 | 4,063 | 25,707 | 2,414 | 1,716 | 1,248 |
| Alaska | 3,088 | 3,318 | 27,079 | 3,372 | 2,668 | 2,318 |
| Arizona | 3,587 | 3,899 | 31,940 | 3,388 | 2,352 | 1,900 |
| Arkansas | 3,510 | 5,524 | 28,063 | 3,169 | 1,999 | 1,359 |
| California | 28,130 | 32,605 | 284,885 | 31,538 | 26,959 | 23,016 |
| Colorado | 8,919 | 11,360 | 63,145 | 7,432 | 4,973 | 3,321 |
| Connecticut | 6,038 | 6,594 | 42,410 | 4,986 | 3,251 | 2,678 |
| Delaware | 944 | 1,038 | 5,592 | 629 | 448 | 243 |
| District of Columbia | 2,549 | 2,486 | 16,866 | 1,480 | 1,205 | 879 |
| Florida | 3,747 | 4,038 | 37,743 | 3,320 | 2,818 | 2,603 |
| Georgia | 5,897 | 7,205 | 55,431 | 5,531 | 4,094 | 3,045 |
| Hawaii | 158 | 153 | 1,747 | 151 | 143 | 132 |
| Idaho | 1,734 | 2,076 | 11,712 | 1,640 | 1,045 | 577 |
| Illinois | 26,217 | 35,555 | 174,747 | 24,727 | 17,109 | 9,948 |
| Indiana | 12,336 | 16,862 | 73,184 | 9,557 | 7,058 | 4,311 |
| Iowa | 6,154 | 8,881 | 43,028 | 6,006 | 4,261 | 2,402 |
| Kansas | NA | NA | 41,788 | 4,591 | 3,019 | 1,588 |
| Kentucky | 4,979 | 6,499 | 32,468 | 4,714 | 3,198 | 1,601 |
| Louisiana | 2,729 | 3,691 | 24,049 | 2,224 | 1,707 | 1,352 |
| Maine | 341 | 454 | 2,456 | 337 | 247 | 165 |
| Maryland | NA | 9,013 | 57,432 | 6,433 | 4,928 | 3,287 |
| Massachusetts | NA | 6,662 | 90,099 | 6,635 | 7,440 | 5,698 |
| Michigan | 25,441 | 31,020 | 163,400 | 20,671 | 15,174 | 8,608 |
| Minnesota | 12,637 | 16,386 | 82,377 | 12,652 | 8,896 | 5,356 |
| Mississippi | 2,196 | NA | 21,360 | 2,075 | 1,512 | 1,155 |
| Missouri | 9,736 | 12,503 | 62,000 | 7,177 | 4,415 | 2,389 |
| Montana | 1,542 | 2,096 | 12,961 | 1,925 | 1,340 | 845 |
| Nebraska | 4,246 | 5,797 | 28,911 | 3,934 | 2,218 | 1,036 |
| Nevada | 2,486 | 2,903 | 23,347 | 2,565 | 1,855 | 1,307 |
| New Hampshire | 1,070 | 1,312 | 6,808 | 810 | 612 | 371 |
| New Jersey | NA | NA | 146,654 | 18,767 | 12,883 | 8,677 |
| New Mexico | 3,748 | 5,051 | 27,395 | 4,125 | 2,233 | 1,249 |
| New York | NA | NA | 335,800 | 34,796 | 27,494 | 20,887 |
| North Carolina | 6,322 | 6,392 | 36,427 | 3,847 | 2,741 | 1,767 |
| North Dakota | 1,558 | 2,083 | 10,085 | 1,362 | 1,020 | 547 |
| Ohio | 26,668 | 28,502 | 157,061 | 21,929 | 14,894 | 6,706 |
| Oklahoma | 5,679 | 7,865 | 43,910 | 5,463 | 2,771 | 1,644 |
| Oregon | 3,897 | 4,554 | 26,024 | 3,619 | 2,681 | 1,291 |
| Pennsylvania | 21,547 | 22,259 | 131,036 | 16,940 | 12,808 | 7,032 |
| Rhode Island | 1,686 | 1,892 | 11,482 | 1,338 | 1,019 | 628 |
| South Carolina | 2,236 | 2,957 | 19,829 | 1,926 | 1,531 | 1,156 |
| South Dakota | 1,343 | 1,873 | 9,265 | 1,305 | 913 | 363 |
| Tennessee | 6,629 | 9,437 | 52,406 | 5,924 | 4,053 | 2,520 |
| Texas | 19,696 | 27,511 | 169,613 | 19,965 | 14,533 | 10,107 |
| Utah | 4,198 | 4,580 | 31,091 | 4,934 | 3,202 | 2,083 |
| Vermont | 321 | 462 | 2,979 | 401 | 276 | 165 |
| Virginia | 8,070 | 9,051 | 58,318 | 7,186 | 5,334 | 3,287 |
| Washington | NA | NA | 45,673 | 5,595 | 3,442 | 2,102 |
| West Virginia | 3,389 | 3,961 | 24,991 | 2,963 | 2,345 | 1,579 |
| Wisconsin | 11,592 | 16,370 | 81,375 | 11,803 | 8,411 | 4,360 |
| Wyoming | 1,120 | 1,352 | 10,423 | 1,822 | 927 | 493 |
| **Total** | **394,896** | **480,288** | **3,004,570** | **362,095** | **264,170** | **173,381** |

See footnotes at end of table.

Table 16

# Table 16. Natural Gas Deliveries to Commercial Consumers, by State, 1998-2000

(Million Cubic Feet) — Continued

| State | 1998 | | | | | |
|---|---|---|---|---|---|---|
| | September | August | July | June | May | April |
| Alabama | 1,091 | 1,026 | 1,027 | 1,122 | 1,457 | 2,386 |
| Alaska | 1,619 | 1,414 | 1,415 | 1,511 | 1,976 | 2,222 |
| Arizona | 1,738 | 1,719 | 1,899 | 2,073 | 2,494 | 3,011 |
| Arkansas | 1,143 | 1,205 | 1,277 | 1,213 | 1,431 | 2,544 |
| California | 22,759 | 25,640 | 23,301 | 16,352 | 20,004 | 20,978 |
| Colorado | 2,371 | 2,166 | 2,655 | 3,087 | 4,320 | 6,187 |
| Connecticut | 2,033 | 2,171 | 2,448 | 2,143 | 2,115 | 4,279 |
| Delaware | 180 | 176 | 191 | 227 | 321 | 558 |
| District of Columbia | 833 | 843 | 867 | 909 | 1,080 | 1,824 |
| Florida | 2,556 | 2,640 | 2,618 | 2,799 | 3,059 | 3,615 |
| Georgia | 2,584 | 2,618 | 2,712 | 2,718 | 3,243 | 4,687 |
| Hawaii | 140 | 155 | 134 | 148 | 140 | 145 |
| Idaho | 386 | 380 | 405 | 535 | 686 | 1,072 |
| Illinois | 6,521 | 6,399 | 5,203 | 6,242 | 6,893 | 15,152 |
| Indiana | 2,897 | 1,984 | 2,413 | 2,650 | 3,206 | 6,292 |
| Iowa | 1,210 | 1,166 | 1,353 | 1,200 | 1,513 | 3,593 |
| Kansas | 1,323 | 1,713 | 1,811 | 1,619 | 1,973 | 3,225 |
| Kentucky | 1,089 | 1,073 | 996 | 1,096 | 1,466 | 2,423 |
| Louisiana | 1,285 | 1,364 | 1,290 | 1,458 | 1,597 | 2,147 |
| Maine | 78 | 74 | 75 | 90 | 122 | 195 |
| Maryland | 2,832 | 3,085 | 2,933 | 3,126 | 3,478 | 4,897 |
| Massachusetts | 2,359 | 3,606 | 4,264 | 5,336 | 5,846 | 9,039 |
| Michigan | 5,685 | 5,694 | 5,197 | 6,183 | 8,265 | 15,595 |
| Minnesota | 2,717 | 2,289 | 2,003 | 2,992 | 3,171 | 5,531 |
| Mississippi | 1,327 | 1,198 | 1,265 | 1,192 | 1,229 | 1,645 |
| Missouri | 2,192 | 3,005 | 2,184 | 2,450 | 2,984 | 5,556 |
| Montana | 439 | 415 | 424 | 481 | 589 | 1,089 |
| Nebraska | 963 | 862 | 1,085 | 869 | 1,717 | 2,829 |
| Nevada | 1,110 | 1,071 | 1,323 | 1,605 | 1,898 | 2,213 |
| New Hampshire | 222 | 229 | 228 | 280 | 376 | 623 |
| New Jersey | 7,010 | 5,711 | 5,924 | 6,478 | 9,830 | 11,710 |
| New Mexico | 1,090 | 1,073 | 1,039 | 963 | 1,603 | 2,384 |
| New York | 16,899 | 22,277 | 18,694 | 16,706 | 20,849 | 29,457 |
| North Carolina | 1,594 | 1,571 | 1,437 | 1,583 | 1,975 | 3,222 |
| North Dakota | 324 | 348 | 280 | 305 | 497 | 935 |
| Ohio | 4,995 | 4,036 | 5,461 | 5,162 | 7,127 | 13,278 |
| Oklahoma | 1,628 | 1,641 | 1,585 | 1,808 | 2,315 | 4,249 |
| Oregon | 1,023 | 880 | 1,030 | 1,440 | 1,626 | 2,096 |
| Pennsylvania | 4,507 | 4,996 | 4,584 | 5,005 | 5,955 | 11,091 |
| Rhode Island | 483 | 195 | 496 | 506 | 694 | 1,141 |
| South Carolina | 1,065 | 1,028 | 1,011 | 1,058 | 1,208 | 1,728 |
| South Dakota | 269 | 262 | 282 | 285 | 538 | 806 |
| Tennessee | 2,390 | 2,215 | 2,365 | 2,503 | 3,003 | 4,490 |
| Texas | 12,410 | 11,729 | 13,215 | 9,114 | 10,425 | 11,880 |
| Utah | 1,028 | 845 | 847 | 1,156 | 1,513 | 2,755 |
| Vermont | 125 | 100 | 102 | 110 | 116 | 281 |
| Virginia | 2,449 | 1,857 | 2,652 | 2,572 | 3,547 | 4,806 |
| Washington | 1,869 | 1,818 | 1,947 | 2,291 | 2,738 | 4,236 |
| West Virginia | 1,237 | 1,185 | 1,102 | 1,146 | 1,273 | 2,176 |
| Wisconsin | 3,317 | 3,096 | 2,893 | 3,347 | 3,569 | 6,609 |
| Wyoming | 343 | 253 | 371 | 442 | 597 | 936 |
| **Total** | **139,737** | **144,498** | **142,313** | **137,688** | **169,645** | **255,821** |

NA Not Available.

**Notes:** Geographic coverage is the 50 States and the District of Columbia. Gas volumes delivered for use as vehicle fuel are included in the annual total but not in the monthly components. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

**Source:** Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

# Table 17. Natural Gas Deliveries to Industrial Consumers, by State, 1998-2000

(Million Cubic Feet)

| State | 2000 | 1999 | | | | |
|---|---|---|---|---|---|---|
| | January | Total | December | November | October | September |
| Alabama | 17,947 | 204,829 | 18,152 | 17,655 | 17,404 | 16,497 |
| Alaska | 7,185 | 74,491 | 6,917 | 6,876 | 6,613 | 4,738 |
| Arizona | 2,081 | 26,246 | 2,231 | 1,903 | 1,910 | 2,160 |
| Arkansas | 14,883 | NA | 15,108 | 12,718 | 13,130 | 12,362 |
| California | 95,749 | 944,597 | 78,551 | 87,915 | 104,100 | 98,766 |
| Colorado | NA | NA | 7,109 | 7,020 | 5,262 | 5,761 |
| Connecticut | 3,481 | 31,800 | 3,499 | 3,143 | 2,637 | 2,283 |
| Delaware | 2,455 | 21,948 | 2,324 | 1,787 | 1,878 | 1,798 |
| District of Columbia | 0 | 0 | 0 | 0 | 0 | 0 |
| Florida | 12,183 | 142,104 | 11,513 | 11,472 | 12,236 | 11,153 |
| Georgia | NA | NA | NA | NA | NA | NA |
| Hawaii | 44 | 463 | 42 | 42 | 39 | 39 |
| Idaho [a] | 3,135 | 33,831 | 3,033 | 2,821 | 2,941 | 2,735 |
| Illinois | 34,552 | 309,467 | 31,510 | 26,906 | 24,758 | 22,294 |
| Indiana | NA | NA | NA | NA | NA | NA |
| Iowa | 10,110 | 103,860 | 8,319 | 8,799 | 8,267 | 7,486 |
| Kansas | 10,494 | NA | 8,872 | 6,513 | 4,188 | 8,069 |
| Kentucky | 9,863 | 92,683 | 8,792 | 8,290 | 7,899 | 6,954 |
| Louisiana | 95,174 | 969,981 | 87,508 | 82,412 | 83,388 | 75,786 |
| Maine | 278 | 2,348 | 281 | 219 | 224 | 190 |
| Maryland | 2,168 | NA | 3,803 | 3,163 | 3,333 | 2,918 |
| Massachusetts | NA | NA | NA | NA | NA | NA |
| Michigan | 31,324 | 285,977 | 28,881 | 26,811 | 21,628 | 19,077 |
| Minnesota | NA | NA | NA | 8,081 | 7,735 | 7,064 |
| Mississippi | 6,248 | NA | 7,625 | 7,206 | 6,962 | 6,310 |
| Missouri | 6,565 | NA | 7,471 | 6,425 | 4,991 | 4,689 |
| Montana | 2,142 | 23,091 | 2,327 | 2,039 | 1,649 | 1,305 |
| Nebraska | 3,082 | 39,589 | 2,542 | 2,490 | 3,600 | 4,465 |
| Nevada | 2,824 | 33,250 | 3,204 | 2,651 | 2,826 | 2,795 |
| New Hampshire | 541 | 5,787 | 413 | 376 | 571 | 471 |
| New Jersey | 25,739 | NA | NA | NA | NA | NA |
| New Mexico | 3,536 | NA | 3,469 | 3,257 | NA | NA |
| New York | 24,539 | NA | 25,997 | 26,228 | 22,097 | 22,229 |
| North Carolina | 10,654 | 110,344 | 11,492 | 10,003 | 6,788 | 8,712 |
| North Dakota | 1,169 | NA | NA | 1,424 | 1,201 | 1,295 |
| Ohio | 35,417 | NA | 31,330 | 28,638 | 27,088 | 24,938 |
| Oklahoma | 12,894 | 141,679 | 12,067 | 11,324 | 10,807 | 10,617 |
| Oregon | 10,256 | NA | 10,604 | 10,619 | 9,406 | 8,301 |
| Pennsylvania | 24,411 | 242,580 | 22,035 | 20,585 | 19,248 | 18,426 |
| Rhode Island | 4,444 | 34,857 | 3,447 | 2,922 | 2,322 | 2,535 |
| South Carolina | 8,493 | 103,249 | 9,401 | 9,184 | 9,005 | 7,996 |
| South Dakota | 471 | 5,036 | 442 | 445 | 466 | 305 |
| Tennessee | 13,783 | NA | 12,231 | 11,791 | 14,210 | 14,597 |
| Texas | 121,064 | NA | 139,558 | 164,006 | 160,531 | 182,830 |
| Utah | 3,771 | 40,988 | 3,853 | 3,628 | 3,582 | 3,192 |
| Vermont | 240 | 2,819 | 327 | 273 | 261 | 183 |
| Virginia | 7,257 | 95,232 | 9,027 | 5,865 | 6,033 | 8,336 |
| Washington | NA | NA | NA | NA | NA | NA |
| West Virginia | 4,249 | NA | NA | NA | 3,458 | 3,220 |
| Wisconsin | 18,124 | 147,543 | 15,331 | 12,721 | 12,469 | 10,307 |
| Wyoming | NA | NA | 5,104 | 5,138 | 4,229 | 5,051 |
| **Total** | **786,525** | **8,653,384** | **760,352** | **756,493** | **748,526** | **738,525** |

See footnotes at end of table.

Table 17

# Table 17. Natural Gas Deliveries to Industrial Consumers, by State, 1998-2000

(Million Cubic Feet) — Continued

| State | 1999 | | | | | |
|---|---|---|---|---|---|---|
| | August | July | June | May | April | March |
| Alabama | 16,973 | 16,525 | 15,938 | 15,947 | 17,042 | 19,174 |
| Alaska | 4,784 | 6,932 | 5,923 | 6,318 | 6,244 | 6,717 |
| Arizona | 2,276 | 1,987 | 1,956 | 2,390 | 2,545 | 2,237 |
| Arkansas | 12,415 | 10,987 | NA | 11,429 | 11,732 | 12,582 |
| California | 94,185 | 82,007 | 68,105 | 69,662 | 61,776 | 57,968 |
| Colorado | 5,730 | NA | 5,605 | 6,202 | 7,672 | 6,272 |
| Connecticut | 2,308 | 2,221 | 2,055 | 2,419 | 2,504 | 2,790 |
| Delaware | 1,670 | 1,757 | 1,459 | 1,789 | 1,767 | 1,952 |
| District of Columbia | 0 | 0 | 0 | 0 | 0 | 0 |
| Florida | 12,870 | 12,478 | 11,739 | 11,827 | 12,512 | 12,603 |
| Georgia | NA | 8,080 | 7,177 | NA | 10,118 | 13,140 |
| Hawaii | 41 | 40 | 43 | 35 | 38 | 39 |
| Idaho [a] | 2,173 | 2,450 | 2,528 | 2,885 | 3,167 | 3,214 |
| Illinois | 21,598 | 21,500 | 21,056 | 21,281 | 25,516 | 29,721 |
| Indiana | 20,696 | 22,039 | 21,508 | NA | NA | NA |
| Iowa | 7,425 | 7,195 | 6,980 | 8,326 | 10,104 | 9,569 |
| Kansas | 10,994 | 9,275 | 7,751 | NA | 8,130 | 8,482 |
| Kentucky | 6,321 | 6,402 | 6,535 | 7,087 | 7,610 | 9,289 |
| Louisiana | 78,575 | 80,375 | 80,334 | 81,391 | 79,477 | 82,222 |
| Maine | 179 | 153 | 184 | 171 | 161 | 189 |
| Maryland | 2,927 | 2,508 | 2,401 | NA | 2,845 | 4,068 |
| Massachusetts | NA | NA | NA | 8,740 | NA | NA |
| Michigan | 18,271 | 19,911 | 20,416 | 22,851 | 24,820 | 28,068 |
| Minnesota | 9,164 | 7,598 | 7,397 | 7,457 | 8,485 | 9,697 |
| Mississippi | 6,287 | 6,669 | 6,807 | 7,007 | NA | 7,375 |
| Missouri | 4,815 | 4,751 | 4,801 | 4,615 | 5,395 | 5,127 |
| Montana | 1,326 | 1,293 | 1,694 | 1,968 | 2,120 | 2,174 |
| Nebraska | 3,949 | 5,432 | 2,700 | 2,565 | 1,178 | 3,098 |
| Nevada | 2,745 | 2,504 | 2,573 | 2,811 | 2,635 | 2,816 |
| New Hampshire | 478 | 442 | 457 | 486 | 578 | 505 |
| New Jersey | NA | NA | NA | NA | NA | NA |
| New Mexico | NA | 3,371 | 3,279 | 3,606 | NA | 3,355 |
| New York | NA | NA | NA | NA | NA | NA |
| North Carolina | 10,082 | 9,288 | 8,970 | 8,857 | 8,867 | 9,231 |
| North Dakota | 1,130 | 1,155 | 1,266 | 1,351 | 1,479 | 2,037 |
| Ohio | NA | 23,427 | 23,595 | 25,248 | 28,808 | 32,257 |
| Oklahoma | 9,782 | 9,601 | 11,576 | 11,173 | 13,128 | 12,486 |
| Oregon | NA | 8,008 | 7,861 | 8,216 | 8,923 | 9,571 |
| Pennsylvania | 18,582 | 17,497 | 17,687 | 18,565 | 20,802 | 23,245 |
| Rhode Island | 2,496 | 2,969 | 2,948 | 3,343 | 2,996 | 2,528 |
| South Carolina | 7,948 | 7,342 | 7,708 | 8,102 | 9,910 | 9,614 |
| South Dakota | 437 | 419 | 282 | 347 | 446 | 439 |
| Tennessee | 13,428 | 12,826 | 11,262 | 12,000 | NA | 14,017 |
| Texas | 142,569 | 120,019 | 142,830 | NA | 136,782 | 144,116 |
| Utah | 3,180 | 3,200 | 2,351 | 3,422 | 3,809 | 3,718 |
| Vermont | 176 | 174 | 157 | 192 | 243 | 301 |
| Virginia | 11,139 | 10,441 | 8,708 | 7,843 | 8,449 | 7,524 |
| Washington | NA | NA | NA | NA | NA | NA |
| West Virginia | 3,367 | 3,942 | NA | 3,225 | NA | NA |
| Wisconsin | 9,595 | 9,235 | 9,243 | 10,081 | 12,061 | 14,729 |
| Wyoming | 4,651 | 3,438 | 3,056 | 2,980 | 3,622 | 3,837 |
| **Total** | **731,295** | **659,559** | **661,179** | **682,047** | **679,083** | **721,621** |

See footnotes at end of table.

# Table 17. Natural Gas Deliveries to Industrial Consumers, by State, 1998-2000

(Million Cubic Feet) — Continued

| State | 1999 | | 1998 | | | |
|---|---|---|---|---|---|---|
| | February | January | Total | December | November | October |
| Alabama | 16,360 | 17,161 | 200,305 | 16,372 | 15,972 | 16,540 |
| Alaska | 5,805 | 6,626 | 75,947 | 6,439 | 6,255 | 6,289 |
| Arizona | 2,291 | 2,360 | 28,157 | 2,605 | 2,381 | 2,518 |
| Arkansas | 11,561 | 13,069 | 147,313 | 12,537 | 11,482 | 11,877 |
| California | 71,293 | 70,270 | 827,401 | 74,100 | 67,304 | 77,426 |
| Colorado | 6,951 | 4,630 | 87,238 | 8,462 | 6,859 | 6,020 |
| Connecticut | 2,957 | 2,985 | 32,498 | 2,838 | 2,656 | 2,647 |
| Delaware | 1,878 | 1,887 | 16,287 | 1,529 | 1,421 | 1,416 |
| District of Columbia | 0 | 0 | 0 | 0 | 0 | 0 |
| Florida | 10,480 | 11,219 | 126,891 | 10,374 | 10,704 | 10,000 |
| Georgia | 12,545 | 12,929 | 164,501 | 13,256 | 13,475 | 12,265 |
| Hawaii | 33 | 32 | 373 | 373 | 0 | 0 |
| Idaho [a] | 3,081 | 2,802 | 34,303 | 2,635 | 2,803 | 2,715 |
| Illinois | 29,436 | 33,890 | 303,668 | 28,912 | 27,909 | 25,306 |
| Indiana | 26,942 | NA | 290,973 | 28,353 | 24,767 | 24,269 |
| Iowa | 9,554 | 11,836 | 105,950 | 9,261 | 9,761 | 9,239 |
| Kansas | 7,588 | NA | 111,143 | 8,731 | 10,061 | 9,356 |
| Kentucky | 8,179 | 9,326 | 93,217 | 8,502 | 8,232 | 7,864 |
| Louisiana | 73,872 | 84,638 | 922,155 | 87,893 | 66,701 | 77,953 |
| Maine | 104 | 293 | 2,297 | 204 | 222 | 227 |
| Maryland | 3,261 | 2,727 | 38,531 | 3,564 | 3,041 | 3,714 |
| Massachusetts | 8,643 | 8,763 | 125,286 | 12,200 | 10,887 | 10,111 |
| Michigan | 26,451 | 28,793 | 282,036 | 25,198 | 23,921 | 21,034 |
| Minnesota | 11,186 | 10,841 | 104,610 | 9,322 | 8,941 | 9,052 |
| Mississippi | 6,541 | NA | 78,640 | 6,811 | 6,335 | 6,353 |
| Missouri | NA | 6,562 | 64,868 | 5,988 | 4,728 | 5,145 |
| Montana | 2,554 | 2,642 | 21,416 | 2,260 | 1,976 | 1,732 |
| Nebraska | 3,330 | 4,240 | 53,053 | 3,124 | 3,724 | 3,475 |
| Nevada | 2,674 | 3,016 | 28,662 | 3,003 | 2,747 | 2,848 |
| New Hampshire | 484 | 526 | 5,878 | 484 | 531 | 555 |
| New Jersey | NA | NA | 204,791 | 18,623 | 16,241 | 15,186 |
| New Mexico | 3,047 | NA | 25,048 | 2,239 | 2,108 | 2,250 |
| New York | NA | NA | 251,591 | 16,736 | 18,774 | 16,275 |
| North Carolina | 8,052 | 10,001 | 106,497 | 8,862 | 8,835 | 8,618 |
| North Dakota | 2,844 | 1,434 | 20,606 | 1,898 | 1,770 | 1,176 |
| Ohio | 31,603 | 33,159 | 332,955 | 31,327 | 27,938 | 27,071 |
| Oklahoma | 14,323 | 14,794 | 198,110 | 13,058 | 13,327 | 18,083 |
| Oregon | 8,595 | 9,403 | 102,770 | 9,258 | 8,889 | 9,230 |
| Pennsylvania | 23,747 | 22,161 | 231,362 | 21,244 | 19,127 | 18,138 |
| Rhode Island | 2,930 | 3,421 | 42,278 | 3,480 | 3,666 | 3,832 |
| South Carolina | 8,225 | 8,813 | 102,324 | 8,973 | 8,931 | 8,668 |
| South Dakota | 463 | 545 | 5,607 | 572 | 553 | 322 |
| Tennessee | 12,922 | 13,545 | 145,773 | 14,316 | 12,701 | 12,852 |
| Texas | 159,127 | 185,739 | 2,023,278 | 209,528 | 187,395 | 168,879 |
| Utah | 3,350 | 3,703 | 45,501 | 3,839 | 3,546 | 3,444 |
| Vermont | 312 | 220 | 2,105 | 202 | 181 | 179 |
| Virginia | 6,431 | 5,437 | 92,801 | 7,567 | 7,937 | 8,992 |
| Washington | NA | NA | 133,106 | 11,961 | 12,639 | 6,931 |
| West Virginia | 3,460 | 3,865 | 49,807 | 4,143 | 3,909 | 3,927 |
| Wisconsin | 14,428 | 17,342 | 141,980 | 14,896 | 13,275 | 11,457 |
| Wyoming | NA | 4,360 | 54,259 | 4,642 | 4,428 | 4,172 |
| **Total** | **723,904** | **790,800** | **8,686,147** | **802,693** | **731,965** | **717,629** |

See footnotes at end of table.

Table 17

# Table 17. Natural Gas Deliveries to Industrial Consumers, by State, 1998-2000

(Million Cubic Feet) — Continued

| State | 1998 | | | | | |
|---|---|---|---|---|---|---|
| | September | August | July | June | May | April |
| Alabama | 15,244 | 16,751 | 16,002 | 16,576 | 17,234 | 16,823 |
| Alaska | 5,678 | 6,864 | 6,519 | 6,228 | 5,832 | 6,431 |
| Arizona | 2,073 | 2,504 | 2,302 | 2,031 | 2,310 | 2,275 |
| Arkansas | 12,825 | 12,791 | 11,978 | 12,002 | 12,230 | 12,253 |
| California | 85,852 | 82,886 | 73,063 | 54,921 | 67,768 | 60,386 |
| Colorado | 5,309 | 6,839 | 6,378 | 6,506 | 7,336 | 8,116 |
| Connecticut | 2,217 | 2,479 | 2,287 | 2,237 | 2,560 | 2,786 |
| Delaware | 1,186 | 1,223 | 1,100 | 1,164 | 1,260 | 1,354 |
| District of Columbia | 0 | 0 | 0 | 0 | 0 | 0 |
| Florida | 10,654 | 10,120 | 10,580 | 10,668 | 10,917 | 10,903 |
| Georgia | 9,104 | 13,568 | 12,862 | 14,709 | 14,119 | 14,541 |
| Hawaii | 0 | 0 | 0 | 0 | 0 | 0 |
| Idaho [a] | 2,705 | 2,533 | 2,623 | 2,675 | 2,596 | 3,051 |
| Illinois | 21,621 | 20,197 | 20,023 | 20,511 | 22,247 | 26,535 |
| Indiana | 23,418 | 21,679 | 21,517 | 21,370 | 22,528 | 21,907 |
| Iowa | 7,874 | 8,136 | 7,603 | 7,334 | 7,470 | 8,888 |
| Kansas | 7,352 | 10,556 | 11,987 | 9,829 | 8,608 | 8,114 |
| Kentucky | 6,815 | 6,805 | 6,830 | 6,844 | 7,076 | 7,598 |
| Louisiana | 79,775 | 80,974 | 78,083 | 70,377 | 72,612 | 74,984 |
| Maine | 193 | 181 | 155 | 187 | 170 | 183 |
| Maryland | 3,104 | 3,073 | 3,044 | 3,030 | 3,104 | 3,160 |
| Massachusetts | 9,073 | 10,001 | 9,545 | 10,055 | 8,845 | 10,925 |
| Michigan | 17,171 | 16,407 | 16,866 | 21,068 | 23,258 | 25,202 |
| Minnesota | 7,632 | 8,244 | 7,755 | 7,895 | 6,943 | 8,777 |
| Mississippi | 6,054 | 6,090 | 5,999 | 6,139 | 6,319 | 6,642 |
| Missouri | 4,520 | 4,621 | 4,497 | 4,704 | 4,724 | 5,573 |
| Montana | 1,496 | 1,396 | 1,425 | 1,595 | 1,571 | 1,943 |
| Nebraska | 3,341 | 5,908 | 8,653 | 4,434 | 3,822 | 3,579 |
| Nevada | 1,830 | 2,751 | 2,473 | 2,360 | 2,476 | 2,399 |
| New Hampshire | 476 | 498 | 438 | 431 | 473 | 494 |
| New Jersey | 16,072 | 16,183 | 15,073 | 15,090 | 15,999 | 16,922 |
| New Mexico | 2,150 | 2,194 | 2,191 | 1,952 | 1,933 | 1,964 |
| New York | 19,142 | 19,693 | 20,346 | 21,141 | 19,153 | 22,886 |
| North Carolina | 8,125 | 8,495 | 7,932 | 8,315 | 8,761 | 8,825 |
| North Dakota | 1,709 | 1,601 | 1,529 | 1,802 | 1,878 | 1,740 |
| Ohio | 23,596 | 22,907 | 22,468 | 23,470 | 25,447 | 29,007 |
| Oklahoma | 19,908 | 18,714 | 17,475 | 16,899 | 14,356 | 15,067 |
| Oregon | 8,680 | 9,122 | 8,404 | 7,480 | 7,296 | 8,853 |
| Pennsylvania | 17,766 | 17,354 | 16,933 | 17,792 | 17,910 | 19,952 |
| Rhode Island | 3,533 | 3,403 | 3,577 | 3,445 | 3,746 | 3,816 |
| South Carolina | 8,301 | 8,229 | 7,443 | 8,284 | 8,494 | 7,946 |
| South Dakota | 414 | 444 | 414 | 306 | 704 | 304 |
| Tennessee | 10,349 | 11,495 | 10,023 | 10,286 | 11,432 | 12,078 |
| Texas | 158,949 | 170,716 | 179,303 | 152,107 | 157,316 | 153,562 |
| Utah | 3,204 | 3,049 | 3,434 | 3,688 | 3,678 | 4,494 |
| Vermont | 154 | 135 | 153 | 152 | 164 | 164 |
| Virginia | 7,880 | 9,398 | 8,138 | 8,143 | 6,310 | 7,734 |
| Washington | 13,051 | 13,388 | 11,020 | 8,350 | 6,254 | 13,105 |
| West Virginia | 3,714 | 3,798 | 3,856 | 3,932 | 3,912 | 4,362 |
| Wisconsin | 9,745 | 9,280 | 7,600 | 9,262 | 9,508 | 11,720 |
| Wyoming | 3,612 | 3,775 | 3,937 | 4,042 | 5,133 | 3,966 |
| **Total** | **694,645** | **719,443** | **703,835** | **653,817** | **675,793** | **704,289** |

[a] Small volumes of natural gas representing onsystem sales to industrial consumers in Idaho are included in the annual total but not in monthly components.

NA Not Available.

**Notes:** Geographic coverage is the 50 States and the District of Columbia.

See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

**Source:** Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

## Table 18. Natural Gas Deliveries to Electric Utility[a] Consumers, by State, 1998-2000

(Million Cubic Feet)

| State | 2000 | 1999 | | | | |
|---|---|---|---|---|---|---|
| | January | Total | December | November | October | September |
| Alabama | 1,019 | 20,885 | 673 | 887 | 556 | 1,860 |
| Alaska | 3,358 | 30,353 | 3,372 | 2,824 | 2,618 | 2,203 |
| Arizona | 3,673 | 50,772 | 3,280 | 3,315 | 6,390 | 4,690 |
| Arkansas | 693 | 39,887 | 1,973 | 2,034 | 1,580 | 3,096 |
| California | 8,168 | 168,180 | 7,147 | 7,473 | 14,528 | 9,478 |
| Colorado | 1,918 | 13,705 | 304 | 290 | 476 | 244 |
| Connecticut | 0 | 13,076 | 547 | 1,159 | 1,318 | 1,657 |
| Delaware | 647 | 19,840 | 497 | 336 | 1,349 | 1,566 |
| District of Columbia | 0 | 0 | 0 | 0 | 0 | 0 |
| Florida | 26,383 | 320,159 | 24,966 | 25,410 | 32,277 | 34,297 |
| Georgia | 65 | 20,502 | 174 | 456 | 691 | 1,928 |
| Hawaii | 0 | 0 | 0 | 0 | 0 | 0 |
| Idaho | 0 | 0 | 0 | 0 | 0 | 0 |
| Illinois | 260 | 39,987 | 752 | 1,778 | 1,546 | 1,705 |
| Indiana | 510 | 7,528 | 241 | 154 | 139 | 307 |
| Iowa | 306 | 5,482 | 252 | 328 | 317 | 449 |
| Kansas | 1,502 | 36,347 | 1,064 | 747 | 1,141 | 1,972 |
| Kentucky | 524 | 5,761 | 223 | 262 | 188 | 462 |
| Louisiana | 20,694 | 317,911 | 17,218 | 16,577 | 21,198 | 32,192 |
| Maine | 0 | 0 | 0 | 0 | 0 | 0 |
| Maryland | 518 | 16,491 | 411 | 348 | 1,346 | 1,107 |
| Massachusetts | 107 | 8,823 | 109 | 401 | 366 | 833 |
| Michigan | 4,306 | 51,147 | 3,080 | 3,199 | 3,869 | 3,700 |
| Minnesota | 297 | 6,087 | 138 | 234 | 98 | 192 |
| Mississippi | 9,150 | 101,349 | 8,904 | 5,707 | 6,711 | 7,503 |
| Missouri | 1,496 | 16,624 | 498 | 387 | 446 | 983 |
| Montana | 25 | 288 | 10 | 14 | 7 | 8 |
| Nebraska | 110 | 4,681 | 43 | 104 | 138 | 242 |
| Nevada | 5,173 | 64,994 | 6,046 | 4,557 | 5,611 | 6,435 |
| New Hampshire | 121 | 571 | 134 | 22 | 0 | 161 |
| New Jersey | 451 | 32,596 | 1,065 | 1,104 | 1,277 | 3,182 |
| New Mexico | 2,901 | 35,208 | 2,653 | 2,161 | 3,019 | 3,360 |
| New York | 5,586 | 181,171 | 8,977 | 11,209 | 11,945 | 14,068 |
| North Carolina | 84 | 9,429 | 15 | 45 | 93 | 556 |
| North Dakota | 0 | 0 | 0 | 0 | 0 | 0 |
| Ohio | 467 | 11,507 | 441 | 186 | 354 | 561 |
| Oklahoma | 8,999 | 170,441 | 9,346 | 8,221 | 10,822 | 13,971 |
| Oregon | 3,164 | 23,265 | 2,383 | 2,964 | 4,549 | 3,112 |
| Pennsylvania | 376 | 10,347 | 427 | 264 | 452 | 565 |
| Rhode Island | 0 | 0 | 0 | 0 | 0 | 0 |
| South Carolina | 35 | 5,110 | 48 | 76 | 17 | 165 |
| South Dakota | 82 | 2,522 | 94 | 23 | 69 | 79 |
| Tennessee | 292 | 3,454 | 29 | 32 | 0 | 174 |
| Texas | 73,066 | 1,208,352 | 64,428 | 63,416 | 97,302 | 117,454 |
| Utah | 373 | 5,606 | 454 | 345 | 969 | 428 |
| Vermont | 5 | 250 | 3 | 3 | 1 | 90 |
| Virginia | 1,855 | 23,417 | 1,105 | 927 | 650 | 1,698 |
| Washington | 330 | 6,688 | 258 | 467 | 3,026 | 1,273 |
| West Virginia | 15 | 384 | 42 | 37 | 46 | 23 |
| Wisconsin | 749 | 14,070 | 688 | 573 | 475 | 862 |
| Wyoming | 11 | 166 | 15 | 10 | 8 | 7 |
| **Total** | **189,865** | **3,125,417** | **174,528** | **171,069** | **239,976** | **280,898** |

See footnotes at end of table.

Table 18

## Table 18. Natural Gas Deliveries to Electric Utility[a] Consumers, by State, 1998-2000

(Million Cubic Feet) — Continued

| State | 1999 | | | | | |
|---|---|---|---|---|---|---|
| | August | July | June | May | April | March |
| Alabama | 5,683 | 4,717 | 1,937 | 1,289 | 1,247 | 925 |
| Alaska | 2,276 | 2,551 | 2,189 | 2,290 | 2,282 | 2,499 |
| Arizona | 6,690 | 6,138 | 5,287 | 4,279 | 4,483 | 2,013 |
| Arkansas | 7,963 | 7,104 | 5,602 | 3,982 | 2,579 | 2,034 |
| California | 12,228 | 14,988 | 12,409 | 11,714 | 18,722 | 19,915 |
| Colorado | 2,588 | 2,315 | 1,817 | 1,987 | 1,125 | 1,141 |
| Connecticut | 2,045 | 3,003 | 1,798 | 1,311 | 84 | 123 |
| Delaware | 3,300 | 3,804 | 2,531 | 2,052 | 673 | 1,687 |
| District of Columbia | 0 | 0 | 0 | 0 | 0 | 0 |
| Florida | 34,453 | 33,921 | 29,566 | 29,547 | 28,221 | 18,961 |
| Georgia | 6,506 | 4,351 | 1,722 | 1,374 | 3,046 | 220 |
| Hawaii | 0 | 0 | 0 | 0 | 0 | 0 |
| Idaho | 0 | 0 | 0 | 0 | 0 | 0 |
| Illinois | 3,824 | 10,896 | 4,828 | 2,672 | 5,295 | 2,863 |
| Indiana | 1,222 | 2,646 | 1,174 | 245 | 403 | 332 |
| Iowa | 722 | 1,616 | 646 | 278 | 348 | 189 |
| Kansas | 8,135 | 8,527 | 3,543 | 2,800 | 3,740 | 2,451 |
| Kentucky | 1,157 | 1,889 | 500 | 214 | 196 | 142 |
| Louisiana | 42,861 | 38,149 | 34,541 | 29,398 | 25,149 | 21,653 |
| Maine | 0 | 0 | 0 | 0 | 0 | 0 |
| Maryland | 2,845 | 5,877 | 1,826 | 478 | 1,382 | 289 |
| Massachusetts | 702 | 1,672 | 1,820 | 1,572 | 763 | 412 |
| Michigan | 4,642 | 7,611 | 5,206 | 5,210 | 4,041 | 3,881 |
| Minnesota | 807 | 1,913 | 728 | 657 | 438 | 437 |
| Mississippi | 14,292 | 14,102 | 9,827 | 9,505 | 10,077 | 4,296 |
| Missouri | 4,607 | 4,940 | 1,710 | 496 | 1,436 | 279 |
| Montana | 28 | 112 | 32 | 6 | 9 | 4 |
| Nebraska | 767 | 1,895 | 745 | 201 | 344 | 118 |
| Nevada | 6,682 | 6,824 | 5,834 | 5,642 | 4,813 | 4,274 |
| New Hampshire | 98 | 67 | 24 | 16 | 0 | 16 |
| New Jersey | 6,207 | 11,544 | 3,439 | 2,070 | 658 | 686 |
| New Mexico | 4,604 | 3,916 | 2,706 | 2,011 | 3,104 | 2,789 |
| New York | 19,803 | 26,219 | 22,476 | 23,122 | 14,099 | 12,815 |
| North Carolina | 3,197 | 3,807 | 1,102 | 131 | 421 | 25 |
| North Dakota | 0 | 0 | 0 | 0 | 0 | 0 |
| Ohio | 1,599 | 3,367 | 1,488 | 737 | 1,158 | 971 |
| Oklahoma | 26,954 | 24,982 | 18,440 | 13,921 | 13,186 | 12,492 |
| Oregon | 2,018 | 1,575 | 876 | 2,032 | 1,069 | 219 |
| Pennsylvania | 1,898 | 3,241 | 2,071 | 465 | 284 | 315 |
| Rhode Island | 0 | 0 | 0 | 0 | 0 | 0 |
| South Carolina | 1,857 | 2,291 | 389 | 76 | 109 | 48 |
| South Dakota | 427 | 646 | 213 | 215 | 279 | 232 |
| Tennessee | 1,218 | 1,208 | 594 | 58 | 141 | 0 |
| Texas | 180,640 | 152,748 | 127,509 | 104,215 | 97,047 | 81,573 |
| Utah | 592 | 654 | 598 | 166 | 341 | 392 |
| Vermont | 133 | 0 | 2 | 1 | 2 | 6 |
| Virginia | 3,367 | 4,066 | 1,885 | 2,229 | 1,812 | 2,093 |
| Washington | 436 | 52 | 39 | 560 | 503 | 6 |
| West Virginia | 17 | 25 | 32 | 48 | 29 | 35 |
| Wisconsin | 1,783 | 4,044 | 1,895 | 1,432 | 553 | 568 |
| Wyoming | 5 | 8 | 68 | 6 | 4 | 13 |
| **Total** | **433,878** | **436,024** | **323,665** | **272,705** | **255,694** | **206,430** |

See footnotes at end of table.

## Table 18. Natural Gas Deliveries to Electric Utility[a] Consumers, by State, 1998-2000

(Million Cubic Feet) — Continued

| State | 1999 | | 1998 | | | |
|---|---|---|---|---|---|---|
| | February | January | Total | December | November | October |
| Alabama | 550 | 561 | 25,546 | 789 | 568 | 973 |
| Alaska | 2,519 | 2,733 | 28,784 | 2,957 | 2,669 | 2,190 |
| Arizona | 1,783 | 2,424 | 38,674 | 3,738 | 2,716 | 4,777 |
| Arkansas | 1,376 | 564 | 40,576 | 367 | 122 | 1,753 |
| California | 19,517 | 20,060 | 271,154 | 17,740 | 20,126 | 25,310 |
| Colorado | 981 | 438 | 10,627 | 918 | 1,046 | 684 |
| Connecticut | 1 | 29 | 10,719 | 123 | 9 | 209 |
| Delaware | 912 | 1,131 | 11,135 | 911 | 1,152 | 985 |
| District of Columbia | 0 | 0 | 0 | 0 | 0 | 0 |
| Florida | 13,119 | 15,422 | 281,346 | 17,667 | 18,413 | 28,024 |
| Georgia | 20 | 16 | 22,371 | 259 | 337 | 741 |
| Hawaii | 0 | 0 | 0 | 0 | 0 | 0 |
| Idaho | 0 | 0 | 0 | 0 | 0 | 0 |
| Illinois | 1,357 | 2,470 | 56,337 | 1,469 | 1,465 | 1,426 |
| Indiana | 147 | 517 | 9,096 | 237 | 172 | 389 |
| Iowa | 193 | 145 | 5,947 | 144 | 147 | 177 |
| Kansas | 1,042 | 1,184 | 36,896 | 1,679 | 2,097 | 1,602 |
| Kentucky | 90 | 438 | 5,760 | 136 | 151 | 206 |
| Louisiana | 17,481 | 21,493 | 318,395 | 18,345 | 20,877 | 24,381 |
| Maine | 0 | 0 | 0 | 0 | 0 | 0 |
| Maryland | 138 | 444 | 12,303 | 499 | 188 | 232 |
| Massachusetts | 51 | 122 | 18,427 | 725 | 777 | 918 |
| Michigan | 3,061 | 3,649 | 48,321 | 3,449 | 3,163 | 3,934 |
| Minnesota | 151 | 294 | 7,738 | 120 | 268 | 504 |
| Mississippi | 4,678 | 5,748 | 76,362 | 4,126 | 3,553 | 4,004 |
| Missouri | 310 | 533 | 16,035 | 515 | 521 | 228 |
| Montana | 5 | 53 | 522 | 36 | 33 | 48 |
| Nebraska | 44 | 40 | 5,044 | 106 | 35 | 154 |
| Nevada | 3,699 | 4,578 | 60,937 | 5,362 | 4,649 | 5,732 |
| New Hampshire | 0 | 32 | 149 | 0 | 25 | 0 |
| New Jersey | 343 | 1,022 | 30,996 | 792 | 804 | 376 |
| New Mexico | 2,322 | 2,563 | 39,034 | 2,876 | 2,246 | 2,708 |
| New York | 8,397 | 8,041 | 208,348 | 10,911 | 8,116 | 15,872 |
| North Carolina | 3 | 34 | 12,418 | 36 | 29 | 136 |
| North Dakota | 0 | 0 | 0 | 0 | 0 | 0 |
| Ohio | 333 | 312 | 7,663 | 351 | 170 | 272 |
| Oklahoma | 7,519 | 10,588 | 174,577 | 13,066 | 11,482 | 11,983 |
| Oregon | 936 | 1,532 | 28,883 | 3,009 | 4,188 | 3,701 |
| Pennsylvania | 105 | 261 | 6,890 | 357 | 98 | 220 |
| Rhode Island | 0 | 0 | 15,589 | 0 | 0 | 0 |
| South Carolina | 21 | 14 | 5,893 | 42 | 97 | 72 |
| South Dakota | 120 | 125 | 2,865 | 189 | 190 | 61 |
| Tennessee | 0 | 0 | 6,213 | 0 | 0 | 190 |
| Texas | 55,651 | 66,368 | 1,242,574 | 71,865 | 61,712 | 95,036 |
| Utah | 337 | 331 | 5,945 | 493 | 165 | 648 |
| Vermont | 2 | 5 | 188 | 4 | 3 | 7 |
| Virginia | 1,918 | 1,666 | 20,386 | 757 | 625 | 1,435 |
| Washington | 40 | 28 | 13,352 | 635 | 1,742 | 3,318 |
| West Virginia | 24 | 27 | 417 | 25 | 56 | 52 |
| Wisconsin | 648 | 550 | 16,348 | 730 | 589 | 486 |
| Wyoming | 14 | 9 | 271 | 5 | 6 | 13 |
| **Total** | **151,958** | **178,592** | **3,258,054** | **188,557** | **177,596** | **246,171** |

See footnotes at end of table.

Table 18

# Table 18. Natural Gas Deliveries to Electric Utility[a] Consumers, by State, 1998-2000

(Million Cubic Feet) — Continued

| State | 1998 | | | | | |
|---|---|---|---|---|---|---|
| | September | August | July | June | May | April |
| Alabama | 4,213 | 5,129 | 5,071 | 4,763 | 2,843 | 296 |
| Alaska | 2,402 | 2,038 | 2,163 | 2,102 | 2,420 | 2,274 |
| Arizona | 6,200 | 8,185 | 6,791 | 1,986 | 674 | 1,127 |
| Arkansas | 6,764 | 8,176 | 7,022 | 6,618 | 5,431 | 2,262 |
| California | 31,816 | 34,624 | 26,020 | 15,338 | 13,746 | 18,053 |
| Colorado | 1,378 | 1,419 | 1,763 | 914 | 690 | 581 |
| Connecticut | 1,605 | 2,672 | 1,582 | 1,708 | 1,385 | 157 |
| Delaware | 1,319 | 1,672 | 1,648 | 1,196 | 900 | 548 |
| District of Columbia | 0 | 0 | 0 | 0 | 0 | 0 |
| Florida | 27,465 | 29,246 | 31,965 | 33,183 | 26,818 | 15,852 |
| Georgia | 3,350 | 5,027 | 5,457 | 4,959 | 1,891 | 41 |
| Hawaii | 0 | 0 | 0 | 0 | 0 | 0 |
| Idaho | 0 | 0 | 0 | 0 | 0 | 0 |
| Illinois | 6,084 | 7,669 | 7,640 | 7,325 | 7,006 | 4,790 |
| Indiana | 957 | 1,695 | 1,911 | 1,732 | 1,102 | 231 |
| Iowa | 1,099 | 1,049 | 933 | 749 | 674 | 288 |
| Kansas | 6,109 | 7,062 | 7,713 | 5,133 | 3,088 | 575 |
| Kentucky | 978 | 1,060 | 649 | 950 | 1,017 | 107 |
| Louisiana | 36,591 | 44,636 | 43,677 | 38,806 | 31,804 | 18,072 |
| Maine | 0 | 0 | 0 | 0 | 0 | 0 |
| Maryland | 2,565 | 3,146 | 2,186 | 1,396 | 932 | 373 |
| Massachusetts | 1,127 | 1,965 | 1,404 | 2,164 | 2,661 | 1,575 |
| Michigan | 5,415 | 5,520 | 4,553 | 5,074 | 4,196 | 3,582 |
| Minnesota | 1,538 | 1,461 | 1,389 | 979 | 792 | 264 |
| Mississippi | 9,141 | 11,125 | 10,887 | 10,629 | 8,715 | 4,398 |
| Missouri | 3,067 | 3,997 | 3,750 | 2,425 | 947 | 208 |
| Montana | 69 | 83 | 80 | 26 | 89 | 15 |
| Nebraska | 955 | 1,161 | 1,022 | 702 | 621 | 173 |
| Nevada | 6,460 | 8,818 | 8,189 | 4,036 | 3,932 | 3,926 |
| New Hampshire | 0 | 26 | 37 | 35 | 0 | 0 |
| New Jersey | 3,446 | 6,216 | 7,105 | 4,303 | 3,925 | 1,248 |
| New Mexico | 3,782 | 4,850 | 5,283 | 4,019 | 3,015 | 3,446 |
| New York | 20,464 | 34,201 | 29,277 | 24,080 | 18,922 | 9,089 |
| North Carolina | 2,132 | 3,116 | 2,041 | 3,788 | 1,026 | 12 |
| North Dakota | 0 | 0 | 0 | 0 | 0 | 0 |
| Ohio | 1,333 | 1,426 | 1,307 | 1,103 | 1,005 | 179 |
| Oklahoma | 21,106 | 26,807 | 26,740 | 20,703 | 13,832 | 7,905 |
| Oregon | 4,014 | 3,781 | 3,008 | 835 | 176 | 2,265 |
| Pennsylvania | 561 | 455 | 1,411 | 2,017 | 622 | 260 |
| Rhode Island | 0 | 2,251 | 2,238 | 1,453 | 1,943 | 1,606 |
| South Carolina | 919 | 1,237 | 1,239 | 1,413 | 687 | 37 |
| South Dakota | 366 | 608 | 627 | 315 | 366 | 33 |
| Tennessee | 1,860 | 1,123 | 1,407 | 1,202 | 432 | 0 |
| Texas | 143,064 | 161,408 | 174,322 | 153,383 | 115,390 | 82,922 |
| Utah | 1,206 | 1,323 | 1,126 | 160 | 157 | 153 |
| Vermont | 11 | 8 | 15 | 7 | 12 | 6 |
| Virginia | 3,323 | 3,645 | 2,969 | 2,253 | 2,157 | 698 |
| Washington | 2,749 | 3,470 | 621 | 33 | 14 | 152 |
| West Virginia | 20 | 34 | 53 | 46 | 30 | 22 |
| Wisconsin | 2,044 | 2,338 | 3,059 | 2,554 | 2,279 | 394 |
| Wyoming | 9 | 1 | 5 | 10 | 6 | 8 |
| **Total** | **381,075** | **456,960** | **449,354** | **378,607** | **290,368** | **190,201** |

[a] Includes all steam electric utility generating plants with a combined capacity of 50 megawatts or greater.

**Notes:** Geographic coverage is the 50 States and the District of Columbia.

See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

**Source:** Form EIA-759, "Monthly Power Plant Report."

# Table 19. Natural Gas Deliveries to All Consumers, by State, 1998-2000

(Million Cubic Feet)

| State | 2000 | 1999 | | | | |
|---|---|---|---|---|---|---|
| | January | Total | December | November | October | September |
| Alabama | 31,219 | 298,194 | 28,079 | 24,278 | 21,729 | 21,280 |
| Alaska | 15,709 | 149,600 | 16,187 | 14,826 | 12,838 | 9,330 |
| Arizona | 16,656 | 141,087 | 13,602 | 9,120 | 11,375 | 9,666 |
| Arkansas | NA | NA | 22,903 | NA | 17,996 | 17,960 |
| California | 197,033 | 1,943,814 | 173,425 | 148,663 | 159,544 | 149,147 |
| Colorado | NA | 268,659 | 30,247 | 20,587 | 14,896 | 11,655 |
| Connecticut | 16,367 | 129,111 | 14,108 | 11,238 | 8,109 | 6,661 |
| Delaware | 5,844 | 56,663 | 4,569 | 3,086 | 3,810 | 3,712 |
| District of Columbia | 5,038 | NA | 1,733 | 2,329 | 1,379 | 1,187 |
| Florida | NA | NA | 41,366 | 40,746 | 47,498 | 48,208 |
| Georgia | NA | NA | NA | NA | NA | NA |
| Hawaii | 246 | 2,735 | 230 | 223 | 228 | 224 |
| Idaho | 8,608 | 64,325 | 7,210 | 5,377 | 4,484 | 3,630 |
| Illinois | 153,918 | 982,368 | 132,654 | 82,317 | 64,641 | 43,467 |
| Indiana | NA | NA | NA | NA | NA | NA |
| Iowa | 32,600 | 225,696 | 25,621 | 18,009 | 14,629 | 11,394 |
| Kansas | 35,475 | NA | 24,183 | 13,972 | 10,070 | 13,405 |
| Kentucky | 30,844 | 194,407 | 25,246 | 16,938 | 12,576 | 10,008 |
| Louisiana | 127,073 | 1,355,958 | 112,521 | 104,178 | 107,983 | 110,843 |
| Maine | 897 | 5,868 | 785 | 561 | 452 | 297 |
| Maryland | 24,756 | NA | 21,895 | 14,653 | 11,876 | 9,039 |
| Massachusetts | NA | NA | NA | NA | NA | NA |
| Michigan | 129,238 | 861,820 | 101,999 | 73,980 | 53,279 | 36,485 |
| Minnesota | NA | NA | NA | NA | 20,683 | 13,799 |
| Mississippi | 24,552 | NA | 22,096 | 16,247 | 15,635 | 15,656 |
| Missouri | 39,712 | NA | 30,290 | 17,670 | 12,423 | 10,842 |
| Montana | 7,438 | 54,994 | 6,754 | 5,137 | 3,731 | 2,376 |
| Nebraska | 16,003 | 112,681 | 10,715 | 7,109 | 7,025 | 6,566 |
| Nevada | NA | 150,859 | 16,341 | 10,985 | 11,055 | 11,456 |
| New Hampshire | 3,208 | NA | 2,231 | 1,577 | 1,266 | 1,014 |
| New Jersey | 84,169 | NA | NA | NA | NA | NA |
| New Mexico | 15,467 | NA | 21,277 | 14,721 | NA | NA |
| New York | NA | NA | NA | NA | NA | NA |
| North Carolina | 28,498 | 217,480 | 22,956 | 16,937 | 10,697 | 12,148 |
| North Dakota | NA | NA | NA | NA | 2,498 | 1,933 |
| Ohio | 128,952 | NA | 100,728 | 71,307 | 53,765 | 37,153 |
| Oklahoma | 38,079 | 412,783 | 32,428 | 25,797 | 25,948 | 27,979 |
| Oregon | 24,462 | 227,059 | 21,564 | 18,900 | 17,034 | 13,426 |
| Pennsylvania | 97,433 | 637,342 | 75,492 | 53,852 | 39,821 | 29,935 |
| Rhode Island | 8,464 | 63,380 | 6,202 | 5,458 | 3,664 | 3,433 |
| South Carolina | 17,028 | 155,529 | 15,663 | 13,032 | 11,009 | 9,793 |
| South Dakota | 4,319 | 28,902 | 3,393 | 2,122 | 1,663 | 986 |
| Tennessee | 38,700 | NA | 24,388 | 20,068 | 19,371 | 19,216 |
| Texas | 278,089 | NA | 244,638 | 253,373 | 276,050 | 317,700 |
| Utah | 17,073 | 132,429 | 18,823 | 12,019 | 9,991 | 7,163 |
| Vermont | 1,134 | 8,062 | 885 | 698 | 529 | 413 |
| Virginia | 33,339 | 247,397 | 28,153 | 17,504 | 13,152 | 14,138 |
| Washington | NA | NA | NA | NA | NA | NA |
| West Virginia | 13,490 | NA | NA | NA | 6,813 | 5,341 |
| Wisconsin | 59,096 | 377,331 | 50,507 | 32,142 | 26,755 | 17,578 |
| Wyoming | NA | NA | 7,809 | 6,802 | 5,662 | 5,898 |
| **Total** | **2,347,207** | **19,511,552** | **1,938,224** | **1,542,097** | **1,402,226** | **1,298,426** |

See footnotes at end of table.

Table 19

# Table 19. Natural Gas Deliveries to All Consumers, by State, 1998-2000

(Million Cubic Feet) — Continued

| State | 1999 | | | | | |
|---|---|---|---|---|---|---|
| | August | July | June | May | April | March |
| Alabama | 25,441 | 24,155 | 20,890 | 20,655 | 24,458 | 29,873 |
| Alaska | 8,852 | 11,181 | 9,997 | 11,306 | 11,803 | 14,299 |
| Arizona | 11,612 | 11,036 | 10,750 | 11,297 | 13,342 | 11,117 |
| Arkansas | 22,850 | 20,392 | 19,737 | 18,551 | 20,551 | 23,164 |
| California | 150,340 | 139,818 | 130,695 | 143,874 | 165,282 | 174,845 |
| Colorado | 13,908 | 13,638 | 15,549 | 23,494 | 25,892 | 28,747 |
| Connecticut | 7,655 | 8,706 | 7,572 | 8,812 | 9,935 | 14,524 |
| Delaware | 5,298 | 5,945 | 4,459 | 4,687 | 4,066 | 6,212 |
| District of Columbia | 1,155 | NA | 1,339 | 1,936 | 3,245 | 4,658 |
| Florida | NA | 49,047 | 44,453 | 45,008 | 45,358 | 37,177 |
| Georgia | NA | 16,320 | 12,136 | 13,102 | 21,069 | 30,255 |
| Hawaii | 222 | 229 | 229 | 222 | 231 | 226 |
| Idaho | 2,952 | 3,303 | 3,694 | 4,982 | 6,275 | 7,004 |
| Illinois | 40,702 | 48,586 | 42,991 | 48,143 | 76,127 | 118,522 |
| Indiana | 28,248 | 31,153 | 31,658 | NA | NA | NA |
| Iowa | 10,625 | 12,156 | 10,629 | 13,448 | 19,774 | 25,814 |
| Kansas | 22,784 | 21,045 | 14,968 | NA | 21,489 | 26,377 |
| Kentucky | 10,514 | 10,479 | 9,588 | 10,796 | 14,490 | 23,847 |
| Louisiana | 124,569 | 121,702 | 118,277 | 114,679 | 110,467 | 111,845 |
| Maine | 278 | 251 | 305 | 338 | 435 | 676 |
| Maryland | 10,586 | NA | 9,584 | NA | 16,031 | 23,839 |
| Massachusetts | NA | NA | 28,815 | 24,380 | 34,711 | 44,616 |
| Michigan | 34,329 | 39,894 | 42,217 | 53,208 | 75,392 | 111,770 |
| Minnesota | 15,450 | 14,400 | 14,088 | 17,138 | 24,393 | 36,595 |
| Mississippi | 22,332 | 22,609 | 18,524 | 18,779 | NA | 17,647 |
| Missouri | 13,798 | 15,376 | 12,071 | 13,690 | 21,758 | 30,564 |
| Montana | 2,079 | 2,345 | 2,864 | 4,088 | 5,177 | 5,599 |
| Nebraska | 6,605 | 9,405 | 5,749 | 7,290 | 7,565 | 12,426 |
| Nevada | 12,157 | 12,209 | 11,047 | 12,008 | 12,142 | 12,810 |
| New Hampshire | 945 | 874 | 943 | NA | 1,909 | 2,539 |
| New Jersey | NA | NA | NA | NA | NA | NA |
| New Mexico | NA | 9,598 | 8,431 | 8,750 | NA | 15,967 |
| New York | NA | NA | NA | NA | NA | NA |
| North Carolina | 15,798 | 15,799 | 13,087 | 13,814 | 18,212 | 28,528 |
| North Dakota | 1,588 | 1,666 | 1,818 | 2,600 | 3,371 | 4,608 |
| Ohio | NA | 38,118 | 38,595 | 46,433 | 72,087 | 108,779 |
| Oklahoma | 39,857 | 37,937 | 32,876 | 30,438 | 36,355 | 37,996 |
| Oregon | 41,786 | 11,549 | 11,834 | 15,055 | 16,579 | 18,299 |
| Pennsylvania | 29,960 | 30,386 | 31,317 | 37,041 | 55,520 | 81,219 |
| Rhode Island | 3,229 | 4,001 | 4,031 | 4,942 | 5,782 | 6,963 |
| South Carolina | 11,327 | 11,252 | 9,776 | 10,716 | 14,194 | 17,226 |
| South Dakota | 1,355 | 1,652 | 1,257 | 1,683 | 2,779 | 3,307 |
| Tennessee | 18,073 | 17,386 | 16,639 | NA | NA | 28,046 |
| Texas | 341,314 | 291,236 | 289,088 | NA | 264,352 | 262,333 |
| Utah | 6,158 | 7,198 | 5,585 | 8,109 | 12,336 | 12,602 |
| Vermont | 443 | 295 | 327 | 492 | 756 | 1,017 |
| Virginia | 18,581 | 18,645 | 14,781 | 16,299 | 20,639 | 28,596 |
| Washington | NA | NA | NA | NA | NA | NA |
| West Virginia | 7,902 | 5,735 | 5,406 | 6,188 | NA | NA |
| Wisconsin | 17,388 | 19,010 | 17,359 | 19,893 | 28,656 | 43,163 |
| Wyoming | 5,055 | 4,071 | 4,069 | 4,924 | 5,792 | 6,234 |
| **Total** | **1,427,484** | **1,363,535** | **1,284,068** | **1,369,205** | **1,611,963** | **1,971,128** |

See footnotes at end of table.

# Table 19. Natural Gas Deliveries to All Consumers, by State, 1998-2000

(Million Cubic Feet) — Continued

| State | 1999 | | 1998 | | | |
|---|---|---|---|---|---|---|
| | February | January | Total | December | November | October |
| Alabama | 26,353 | 31,003 | 298,102 | 24,023 | 20,725 | 20,081 |
| Alaska | 13,635 | 15,345 | 147,426 | 14,951 | 13,451 | 12,143 |
| Arizona | 13,076 | 15,094 | 134,871 | 14,397 | 9,456 | 10,331 |
| Arkansas | 21,707 | 28,207 | 254,142 | 20,624 | 16,270 | 16,098 |
| California | 196,913 | 211,269 | 1,933,371 | 192,210 | 154,589 | 151,911 |
| Colorado | 32,318 | 37,728 | 271,849 | 31,624 | 21,684 | 14,392 |
| Connecticut | 15,078 | 16,712 | 120,955 | 12,389 | 9,140 | 7,053 |
| Delaware | 5,203 | 5,616 | 40,769 | 3,965 | 3,593 | 2,875 |
| District of Columbia | 4,857 | 5,400 | 30,115 | 3,043 | 2,293 | 1,337 |
| Florida | 28,845 | 32,810 | 460,082 | 32,489 | 32,777 | 41,312 |
| Georgia | 32,026 | 37,187 | 349,701 | 34,095 | 27,346 | 20,377 |
| Hawaii | 238 | 233 | 2,654 | 568 | 183 | 172 |
| Idaho | 7,448 | 7,967 | 62,018 | 6,712 | 5,357 | 3,949 |
| Illinois | 118,476 | 165,743 | 944,563 | 119,098 | 90,335 | 58,216 |
| Indiana | 62,390 | 80,565 | 513,375 | 58,178 | 45,538 | 35,466 |
| Iowa | 26,556 | 37,042 | 223,826 | 25,924 | 20,513 | 14,848 |
| Kansas | 25,841 | NA | 260,044 | 23,768 | 20,997 | 14,868 |
| Kentucky | 22,029 | 27,895 | 186,990 | 22,641 | 17,693 | 11,891 |
| Louisiana | 99,953 | 118,943 | 1,312,174 | 113,450 | 91,988 | 105,471 |
| Maine | 578 | 913 | 5,663 | 673 | 564 | 455 |
| Maryland | 22,281 | 26,844 | 176,323 | 19,719 | 14,642 | 10,097 |
| Massachusetts | 35,459 | 28,118 | 335,874 | 31,926 | 28,471 | 21,028 |
| Michigan | 107,071 | 132,196 | 813,457 | 91,646 | 71,928 | 49,532 |
| Minnesota | 41,060 | 52,931 | 305,174 | 40,732 | 30,299 | 20,231 |
| Mississippi | 16,431 | 21,785 | 201,209 | 15,567 | 12,925 | 12,317 |
| Missouri | NA | 45,867 | 253,682 | 27,553 | 17,763 | 11,118 |
| Montana | 6,596 | 8,249 | 54,071 | 7,152 | 5,418 | 3,891 |
| Nebraska | 13,574 | 18,653 | 127,779 | 11,394 | 9,362 | 6,287 |
| Nevada | 13,191 | 15,458 | 142,970 | 15,265 | 11,777 | 11,255 |
| New Hampshire | 2,590 | 3,115 | 19,103 | 2,033 | 1,734 | 1,219 |
| New Jersey | NA | NA | 579,099 | 63,273 | 47,341 | 32,959 |
| New Mexico | 14,028 | NA | 127,354 | 16,540 | 10,140 | 7,377 |
| New York | NA | NA | 1,135,250 | 104,380 | 84,394 | 68,342 |
| North Carolina | 21,862 | 27,642 | 206,129 | 18,480 | 15,666 | 11,738 |
| North Dakota | 5,967 | 5,837 | 40,782 | 4,686 | 3,807 | 2,199 |
| Ohio | 107,807 | 121,148 | 794,255 | 96,990 | 73,088 | 50,339 |
| Oklahoma | 36,967 | 48,205 | 483,117 | 39,100 | 31,825 | 33,453 |
| Oregon | 19,210 | 21,825 | 192,094 | 21,441 | 18,938 | 15,667 |
| Pennsylvania | 82,150 | 90,648 | 587,218 | 68,314 | 53,193 | 35,593 |
| Rhode Island | 7,279 | 8,396 | 85,811 | 6,701 | 6,093 | 5,105 |
| South Carolina | 14,069 | 17,472 | 153,476 | 13,758 | 12,286 | 10,471 |
| South Dakota | 3,646 | 5,058 | 29,383 | 3,735 | 2,813 | 1,279 |
| Tennessee | 28,478 | 37,777 | 263,778 | 28,282 | 21,151 | 17,009 |
| Texas | 257,136 | 319,453 | 3,634,920 | 329,660 | 276,571 | 281,344 |
| Utah | 15,610 | 16,835 | 139,380 | 19,111 | 12,732 | 10,647 |
| Vermont | 1,023 | 1,184 | 7,726 | 895 | 673 | 453 |
| Virginia | 27,690 | 29,218 | 234,692 | 24,576 | 20,099 | 16,212 |
| Washington | NA | NA | 254,067 | 26,180 | 22,554 | 14,778 |
| West Virginia | 11,819 | 14,083 | 104,879 | 11,105 | 9,102 | 6,858 |
| Wisconsin | 43,687 | 61,193 | 355,650 | 46,138 | 33,976 | 22,684 |
| Wyoming | NA | 7,649 | 77,656 | 8,105 | 6,575 | 5,451 |
| **Total** | **1,950,835** | **2,352,359** | **19,469,047** | **1,969,258** | **1,571,825** | **1,340,176** |

See footnotes at end of table.

Table 19

# Table 19. Natural Gas Deliveries to All Consumers, by State, 1998-2000

(Million Cubic Feet) — Continued

| State | 1998 | | | | | |
|---|---|---|---|---|---|---|
| | September | August | July | June | May | April |
| Alabama | 21,745 | 24,088 | 23,312 | 23,855 | 23,888 | 24,090 |
| Alaska | 10,517 | 10,964 | 10,575 | 10,469 | 11,161 | 12,167 |
| Arizona | 10,952 | 13,311 | 12,061 | 7,474 | 7,585 | 10,135 |
| Arkansas | 21,593 | 23,043 | 21,240 | 20,839 | 20,817 | 20,986 |
| California | 162,464 | 164,775 | 147,533 | 119,820 | 139,639 | 153,492 |
| Colorado | 11,864 | 12,964 | 14,250 | 12,170 | 20,231 | 26,502 |
| Connecticut | 6,782 | 8,162 | 7,334 | 7,271 | 7,919 | 10,822 |
| Delaware | 2,860 | 3,235 | 3,134 | 2,836 | 2,927 | 3,300 |
| District of Columbia | 1,172 | 1,170 | 1,239 | 1,345 | 1,718 | 3,023 |
| Florida | 41,332 | 42,655 | 45,868 | 47,429 | 41,714 | 31,879 |
| Georgia | 17,928 | 24,063 | 24,012 | 25,597 | 22,830 | 27,346 |
| Hawaii | 180 | 195 | 179 | 194 | 181 | 194 |
| Idaho | 3,407 | 3,205 | 3,431 | 3,877 | 4,188 | 5,686 |
| Illinois | 44,732 | 44,698 | 42,354 | 45,603 | 50,910 | 79,423 |
| Indiana | 30,493 | 28,161 | 28,657 | 29,491 | 32,226 | 40,505 |
| Iowa | 11,617 | 11,796 | 11,485 | 10,720 | 12,466 | 18,593 |
| Kansas | 16,265 | 20,877 | 23,257 | 18,672 | 17,273 | 18,921 |
| Kentucky | 10,032 | 10,020 | 9,768 | 10,185 | 11,514 | 14,054 |
| Louisiana | 119,369 | 128,563 | 124,823 | 112,456 | 108,478 | 99,262 |
| Maine | 298 | 281 | 253 | 308 | 337 | 449 |
| Maryland | 10,384 | 11,208 | 10,038 | 9,691 | 10,561 | 14,208 |
| Massachusetts | 15,147 | 17,943 | 18,061 | 21,382 | 22,902 | 31,899 |
| Michigan | 35,851 | 34,403 | 33,947 | 42,173 | 49,710 | 76,362 |
| Minnesota | 14,566 | 14,455 | 13,686 | 14,631 | 14,641 | 21,694 |
| Mississippi | 17,247 | 19,131 | 18,881 | 18,772 | 17,516 | 14,967 |
| Missouri | 12,406 | 13,815 | 13,074 | 12,721 | 13,657 | 21,818 |
| Montana | 2,483 | 2,365 | 2,428 | 2,771 | 3,114 | 4,718 |
| Nebraska | 6,143 | 8,961 | 11,770 | 7,207 | 8,128 | 10,921 |
| Nevada | 10,223 | 13,454 | 12,962 | 9,487 | 10,190 | 11,365 |
| New Hampshire | 857 | 909 | 871 | 966 | 1,203 | 1,760 |
| New Jersey | 31,628 | 33,055 | 33,448 | 32,035 | 42,313 | 48,704 |
| New Mexico | 7,864 | 8,963 | 9,340 | 7,220 | 7,831 | 10,404 |
| New York | 66,050 | 85,071 | 83,660 | 74,133 | 77,734 | 93,844 |
| North Carolina | 12,824 | 14,096 | 12,467 | 14,893 | 14,034 | 17,142 |
| North Dakota | 2,231 | 2,153 | 2,039 | 2,393 | 2,856 | 3,609 |
| Ohio | 36,314 | 35,683 | 37,322 | 38,303 | 45,219 | 67,547 |
| Oklahoma | 44,090 | 48,570 | 47,424 | 41,299 | 33,829 | 33,633 |
| Oregon | 14,484 | 14,451 | 13,385 | 11,439 | 11,272 | 16,113 |
| Pennsylvania | 27,995 | 27,864 | 28,259 | 31,648 | 34,134 | 50,761 |
| Rhode Island | 4,453 | 6,287 | 6,773 | 6,027 | 7,384 | 8,225 |
| South Carolina | 10,756 | 10,940 | 10,154 | 11,297 | 11,457 | 12,168 |
| South Dakota | 1,297 | 1,541 | 1,597 | 1,209 | 2,115 | 2,270 |
| Tennessee | 15,757 | 15,925 | 14,959 | 15,388 | 17,452 | 21,560 |
| Texas | 320,315 | 349,628 | 372,879 | 320,689 | 292,221 | 263,728 |
| Utah | 7,354 | 6,552 | 6,674 | 6,965 | 7,596 | 12,265 |
| Vermont | 403 | 301 | 325 | 347 | 409 | 716 |
| Virginia | 15,119 | 15,975 | 15,194 | 14,715 | 14,539 | 17,980 |
| Washington | 19,336 | 20,249 | 15,353 | 12,987 | 12,226 | 23,319 |
| West Virginia | 5,594 | 5,542 | 5,524 | 5,794 | 6,493 | 9,439 |
| Wisconsin | 17,828 | 17,482 | 15,973 | 18,607 | 19,431 | 27,909 |
| Wyoming | 4,274 | 4,335 | 4,658 | 5,017 | 6,471 | 6,187 |
| **Total** | **1,336,874** | **1,437,532** | **1,427,891** | **1,322,821** | **1,356,636** | **1,558,062** |

NA Not Available.

**Notes:** Geographic coverage is the 50 States and the District of Columbia. Gas volumes delivered for use as vehicle fuel are included in the annual total for commercial deliveries but not in the monthly components. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

**Sources:** Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers" and Form EIA-759, "Monthly Power Plant Report."

# Table 20. Average City Gate Price, by State, 1998-2000

(Dollars per Thousand Cubic Feet)

| State | 2000 | 1999 | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | January | Total | December | November | October | September | August | July |
| Alabama | 2.95 | 3.06 | 3.39 | 3.74 | 3.45 | 3.61 | 3.62 | 3.33 |
| Alaska | 1.61 | 1.32 | 1.32 | 1.34 | 1.36 | 1.41 | 1.11 | 1.26 |
| Arizona | 2.70 | 2.72 | 2.68 | 3.37 | 3.30 | 3.66 | 3.52 | 3.26 |
| Arkansas | NA | NA | 2.26 | NA | NA | NA | 2.98 | 3.04 |
| California | NA | 2.60 | 2.67 | 3.25 | 3.35 | 3.00 | 2.80 | 2.51 |
| Colorado | NA | NA | 2.27 | NA | NA | NA | NA | NA |
| Connecticut | 5.40 | 5.03 | 5.42 | 7.17 | 4.58 | 5.85 | 4.52 | 5.39 |
| Delaware | 3.80 | 3.45 | 2.78 | 3.48 | 2.73 | 4.01 | 3.53 | 4.43 |
| District of Columbia | — | 8.88 | 8.88 | — | — | — | — | — |
| Florida | NA | 3.36 | 3.65 | 3.50 | 3.74 | 3.60 | 3.53 | 3.22 |
| Georgia | NA | NA | NA | NA | NA | NA | NA | 3.42 |
| Hawaii | 7.14 | 5.62 | 7.40 | 7.20 | 6.48 | 6.23 | 5.59 | 5.61 |
| Idaho | 2.50 | 2.23 | 2.50 | 3.07 | 2.94 | 3.27 | 2.74 | 2.72 |
| Illinois | 2.93 | 3.00 | 3.13 | 3.55 | 3.41 | 3.87 | 3.73 | 3.23 |
| Indiana | NA | NA | NA | NA | NA | NA | 2.50 | 2.02 |
| Iowa | 3.03 | 3.28 | 3.98 | 3.95 | 3.49 | 3.71 | 3.97 | 3.54 |
| Kansas | 3.21 | NA | 3.12 | 3.60 | 3.41 | 3.91 | 4.88 | 2.52 |
| Kentucky | 3.65 | 3.27 | 3.42 | 3.82 | 3.63 | 3.46 | 2.85 | 3.06 |
| Louisiana | 2.96 | 2.52 | 2.71 | 3.84 | 3.16 | 3.34 | 2.46 | 2.24 |
| Maine | 3.23 | NA | 4.33 | 2.66 | 3.37 | 2.69 | 3.18 | 5.39 |
| Maryland | 3.53 | NA | 3.29 | 4.28 | 4.80 | 5.38 | 6.24 | NA |
| Massachusetts | NA | NA | NA | NA | NA | NA | NA | NA |
| Michigan | 3.11 | 2.83 | 2.93 | 2.95 | 2.86 | 2.83 | 2.79 | 2.83 |
| Minnesota | NA | NA | NA | NA | 2.85 | 3.72 | 3.52 | 3.30 |
| Mississippi | 3.10 | NA | 3.05 | 3.49 | 3.29 | 3.30 | 3.05 | 2.84 |
| Missouri | 3.07 | 3.34 | 3.02 | 3.87 | 4.23 | 5.38 | 5.25 | 5.14 |
| Montana | 2.72 | 2.57 | 2.91 | 3.00 | 2.65 | 2.30 | 2.12 | 2.08 |
| Nebraska | 2.97 | 3.12 | 3.50 | 3.79 | 3.14 | 3.28 | 2.33 | 3.25 |
| Nevada | NA | 2.59 | 3.27 | 3.01 | 3.20 | 3.94 | 5.42 | 0.83 |
| New Hampshire | 3.80 | 3.82 | 4.09 | 4.84 | 3.40 | 4.12 | 3.96 | 4.77 |
| New Jersey | 3.67 | NA | NA | NA | NA | NA | NA | NA |
| New Mexico | 2.50 | NA | 2.42 | 2.64 | NA | NA | NA | 2.06 |
| New York | NA | NA | NA | NA | NA | NA | NA | NA |
| North Carolina | 3.57 | 3.33 | 3.61 | 3.94 | 3.74 | 3.90 | 3.52 | 3.21 |
| North Dakota | NA | NA | NA | 4.13 | 3.38 | 3.41 | 3.35 | 2.90 |
| Ohio | 4.98 | NA | 4.48 | 4.66 | 4.90 | 5.21 | NA | 5.07 |
| Oklahoma | NA | 2.84 | 3.59 | 3.56 | 2.64 | 2.84 | 1.87 | 2.19 |
| Oregon | 2.97 | 2.94 | 3.03 | 3.44 | 3.10 | 3.64 | 4.05 | 3.74 |
| Pennsylvania | 3.44 | 3.64 | 3.33 | 4.03 | 4.09 | 4.98 | 6.70 | 5.13 |
| Rhode Island | 3.92 | 3.95 | 5.29 | 4.37 | 4.79 | 4.95 | 4.88 | 5.41 |
| South Carolina | 3.60 | 3.47 | 3.51 | 3.86 | 3.73 | 4.14 | 3.85 | 3.63 |
| South Dakota | 3.26 | 3.52 | 3.67 | 4.05 | 3.37 | 3.50 | 4.02 | 4.03 |
| Tennessee | 3.06 | NA | 3.69 | 4.21 | 3.71 | 3.53 | 4.18 | 3.25 |
| Texas | 2.98 | 2.84 | 2.92 | 3.45 | 3.17 | 2.98 | 2.98 | 2.77 |
| Utah | 3.45 | 2.98 | 3.54 | 3.34 | 2.75 | 3.23 | 2.93 | 4.04 |
| Vermont | 3.46 | 2.85 | 1.43 | 3.85 | 3.42 | 2.68 | 2.70 | 2.63 |
| Virginia | 3.71 | NA | 3.34 | 4.37 | 3.73 | 7.51 | 5.60 | 7.13 |
| Washington | NA | NA | NA | NA | NA | NA | NA | NA |
| West Virginia | 3.45 | NA | NA | NA | 3.46 | 1.33 | NA | 3.16 |
| Wisconsin | 2.94 | 3.07 | 2.79 | 4.03 | 3.34 | 4.26 | 4.14 | 3.84 |
| Wyoming | 3.83 | NA | 4.03 | NA | 3.28 | 3.99 | 3.81 | 3.51 |
| **Total** | **2.74** | **3.11** | **3.22** | **3.75** | **3.50** | **3.50** | **3.37** | **3.11** |

See footnotes at end of table.

Table 20

# Table 20. Average City Gate Price, by State, 1998-2000

(Dollars per Thousand Cubic Feet) — Continued

| State | 1999 | | | | | | 1998 | |
|---|---|---|---|---|---|---|---|---|
| | June | May | April | March | February | January | Total | December |
| Alabama | 3.53 | 2.86 | 2.70 | 2.65 | 2.79 | 2.62 | 3.17 | 3.16 |
| Alaska | 1.27 | 1.23 | 1.32 | 1.33 | 1.34 | 1.32 | 1.72 | 1.73 |
| Arizona | 3.16 | 3.03 | 2.39 | 2.18 | 2.19 | 2.17 | 2.55 | 2.31 |
| Arkansas | NA | NA | 2.71 | 2.58 | 3.40 | 2.69 | 2.94 | 3.13 |
| California | 2.57 | 2.71 | 2.17 | 2.07 | 2.25 | 2.23 | 2.38 | 2.75 |
| Colorado | 2.44 | 2.36 | 1.14 | 1.84 | 2.07 | 2.25 | 2.40 | 2.74 |
| Connecticut | 4.33 | 5.19 | 4.87 | 4.57 | 4.74 | 4.44 | 5.06 | 5.51 |
| Delaware | 5.10 | 3.91 | 3.12 | 3.33 | 3.68 | 3.63 | 3.02 | 4.10 |
| District of Columbia | — | — | — | — | — | — | — | — |
| Florida | 3.27 | 3.27 | 2.99 | 3.11 | 3.19 | 3.33 | 3.42 | 3.50 |
| Georgia | 4.10 | NA | 3.11 | 3.33 | 3.45 | 4.41 | 3.51 | 4.34 |
| Hawaii | 5.45 | 4.72 | 4.68 | 4.53 | 4.47 | 5.07 | 5.33 | 5.17 |
| Idaho | 1.50 | 1.69 | 1.94 | 1.82 | 1.92 | 1.76 | 1.95 | 1.86 |
| Illinois | 3.17 | 3.62 | 2.63 | 2.51 | 2.59 | 2.49 | 2.77 | 2.75 |
| Indiana | 2.05 | NA | NA | NA | 2.26 | 2.11 | 2.45 | 2.43 |
| Iowa | 4.26 | 3.63 | 3.03 | 2.77 | 3.02 | 2.63 | 3.34 | 2.79 |
| Kansas | 3.08 | 2.94 | 2.54 | NA | NA | NA | 2.96 | 2.79 |
| Kentucky | 2.89 | 3.63 | 3.72 | 2.79 | 3.10 | 3.21 | 3.23 | 3.08 |
| Louisiana | 2.27 | 2.41 | 2.14 | 2.16 | 2.19 | 2.18 | 2.33 | 2.48 |
| Maine | 3.67 | NA | 5.48 | 3.05 | 2.84 | 3.27 | 3.43 | 3.82 |
| Maryland | 5.86 | NA | NA | NA | NA | 2.87 | 4.12 | 5.70 |
| Massachusetts | NA | 5.89 | NA | NA | NA | NA | 4.01 | 3.15 |
| Michigan | 2.63 | 2.83 | 2.75 | 2.79 | 3.02 | 2.79 | 2.80 | 3.05 |
| Minnesota | 3.23 | 2.87 | 2.49 | 2.70 | 2.84 | 2.60 | 2.98 | 3.04 |
| Mississippi | 2.49 | 2.66 | NA | 2.61 | 2.71 | NA | 3.00 | 3.11 |
| Missouri | 4.90 | 4.56 | 3.43 | 2.75 | 2.89 | 2.49 | 3.33 | 2.77 |
| Montana | 2.20 | 1.37 | 2.39 | 2.98 | 2.70 | 2.76 | 2.43 | 2.44 |
| Nebraska | 3.24 | 3.45 | 2.94 | 2.90 | 3.11 | 2.90 | 3.02 | 3.10 |
| Nevada | 3.60 | 3.07 | 2.13 | 2.31 | 2.54 | 2.42 | 3.02 | 2.65 |
| New Hampshire | 4.06 | 3.32 | 3.59 | 3.24 | 3.56 | 3.73 | 3.75 | 3.88 |
| New Jersey | NA | NA | NA | 1.20 | NA | NA | 3.71 | 4.84 |
| New Mexico | 2.13 | 2.06 | 1.81 | 1.98 | 2.08 | 2.13 | 2.08 | 2.18 |
| New York | NA | NA | NA | NA | NA | NA | 2.65 | 3.04 |
| North Carolina | 3.34 | 3.52 | 3.25 | 2.73 | 3.00 | 3.11 | 3.49 | 3.09 |
| North Dakota | 2.83 | 2.97 | 2.57 | 2.58 | 2.84 | 2.85 | 2.81 | 3.01 |
| Ohio | 5.81 | 6.71 | 7.73 | 4.43 | 4.62 | 4.22 | 4.70 | 4.32 |
| Oklahoma | 2.47 | 2.23 | 2.35 | 2.36 | 5.21 | 2.41 | 2.55 | 2.54 |
| Oregon | 3.28 | 2.84 | 2.66 | 2.59 | 2.68 | 2.43 | 2.73 | 2.50 |
| Pennsylvania | 4.35 | 4.28 | 3.77 | 2.95 | 3.42 | 3.10 | 4.12 | 3.47 |
| Rhode Island | 4.73 | 4.46 | 4.09 | 3.06 | 3.20 | 3.32 | 3.78 | 1.26 |
| South Carolina | 3.80 | 3.85 | 3.43 | 2.86 | 3.09 | 3.14 | 3.39 | 3.24 |
| South Dakota | 3.72 | 4.21 | 3.37 | 3.25 | 3.37 | 3.18 | 3.24 | 2.69 |
| Tennessee | 2.75 | 2.81 | NA | 2.79 | 2.76 | 2.86 | 3.47 | 3.28 |
| Texas | 2.78 | 2.86 | 2.45 | 2.38 | 2.61 | 2.83 | 2.63 | 2.85 |
| Utah | 2.62 | 2.07 | 2.31 | 2.76 | 3.11 | 2.86 | 3.22 | 3.58 |
| Vermont | 3.12 | 3.34 | 3.07 | 2.92 | 3.01 | 2.85 | 2.58 | 2.52 |
| Virginia | 5.27 | NA | 3.70 | 3.35 | 2.97 | 3.31 | 3.74 | 3.28 |
| Washington | NA | NA | NA | NA | NA | NA | 2.34 | 2.38 |
| West Virginia | 3.89 | 2.64 | NA | NA | 3.21 | 6.98 | 3.17 | 3.80 |
| Wisconsin | 4.12 | 3.62 | 2.83 | 2.64 | 2.77 | 2.47 | 3.29 | 2.84 |
| Wyoming | 2.53 | 3.01 | 3.23 | 2.85 | 3.49 | 3.07 | 2.73 | 4.14 |
| **Total** | **3.18** | **3.25** | **2.91** | **2.67** | **2.94** | **2.84** | **3.07** | **3.10** |

See footnotes at end of table.

# Table 20. Average City Gate Price, by State, 1998-2000

(Dollars per Thousand Cubic Feet) — Continued

| State | 1998 | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | November | October | September | August | July | June | May | April |
| Alabama | 3.17 | 3.50 | 3.24 | 3.50 | 3.68 | 3.56 | 3.38 | 3.11 |
| Alaska | 1.74 | 1.73 | 1.71 | 1.71 | 1.64 | 1.67 | 1.68 | 1.71 |
| Arizona | 2.54 | 2.62 | 2.77 | 2.85 | 2.85 | 2.60 | 2.93 | 2.81 |
| Arkansas | 3.03 | 2.93 | 1.88 | 2.38 | 3.23 | 2.31 | 3.00 | 2.96 |
| California | 2.49 | 2.22 | 1.98 | 2.46 | 2.39 | 2.34 | 2.49 | 2.33 |
| Colorado | 2.18 | 2.24 | 0.63 | 2.26 | 2.09 | 2.43 | 2.46 | 2.64 |
| Connecticut | 4.54 | 4.31 | 4.69 | 4.87 | 5.14 | 4.74 | 5.08 | 5.89 |
| Delaware | 3.83 | 3.75 | 3.90 | 2.79 | 2.93 | 4.35 | 1.79 | 2.63 |
| District of Columbia | — | — | — | — | — | — | — | — |
| Florida | 3.76 | 3.51 | 3.13 | 3.22 | 3.31 | 2.82 | 3.20 | 3.93 |
| Georgia | 3.24 | 3.08 | 3.37 | 3.44 | 3.57 | 3.01 | 3.55 | 3.63 |
| Hawaii | 5.14 | 4.95 | 5.12 | 5.06 | 4.77 | 4.86 | 5.21 | 5.21 |
| Idaho | 1.99 | 1.95 | 2.38 | 2.14 | 2.55 | 2.18 | 1.94 | 1.96 |
| Illinois | 2.65 | 2.43 | 2.24 | 2.49 | 3.16 | 2.16 | 3.64 | 2.90 |
| Indiana | 2.57 | 2.47 | 2.58 | 2.38 | 2.77 | 1.51 | 2.80 | 2.43 |
| Iowa | 3.05 | 4.98 | 4.00 | 4.03 | 4.05 | 1.99 | 4.12 | 3.33 |
| Kansas | 3.19 | 2.94 | 2.67 | 2.92 | 3.86 | 3.42 | 3.17 | 2.87 |
| Kentucky | 3.19 | 2.94 | 3.58 | 2.85 | 3.57 | 3.33 | 3.33 | 3.99 |
| Louisiana | 2.20 | 2.13 | 2.01 | 2.05 | 2.45 | 2.20 | 2.36 | 2.30 |
| Maine | 2.66 | 3.37 | 2.69 | 3.21 | 5.39 | 3.67 | 2.53 | 3.16 |
| Maryland | 3.38 | 4.15 | 13.58 | 5.83 | 7.57 | 5.89 | 5.54 | 4.37 |
| Massachusetts | 3.58 | 4.46 | 6.11 | 5.75 | 7.56 | 6.87 | 5.44 | 3.98 |
| Michigan | 2.86 | 2.61 | 2.69 | 2.79 | 2.92 | 2.50 | 2.69 | 2.78 |
| Minnesota | 3.04 | 2.74 | 2.78 | 3.06 | 3.31 | 2.97 | 3.28 | 2.95 |
| Mississippi | 3.06 | 2.91 | 2.65 | 2.67 | 3.07 | 2.86 | 2.88 | 3.18 |
| Missouri | 3.12 | 4.06 | 4.50 | 4.61 | 5.12 | 4.87 | 4.47 | 3.72 |
| Montana | 2.60 | 2.32 | 2.22 | 1.88 | 2.51 | 2.08 | 2.23 | 2.31 |
| Nebraska | 2.84 | 3.03 | 2.90 | 3.01 | 3.65 | 2.98 | 3.73 | 3.20 |
| Nevada | 2.60 | 2.48 | 3.79 | 4.43 | 3.75 | 3.37 | 3.25 | 3.00 |
| New Hampshire | 3.52 | 3.22 | 3.34 | 3.80 | 4.63 | 3.87 | 3.36 | 3.35 |
| New Jersey | 4.10 | 4.08 | 5.83 | 3.80 | 3.89 | 3.58 | 3.03 | 3.54 |
| New Mexico | 2.17 | 1.75 | 1.64 | 1.86 | 1.94 | 1.76 | 2.04 | 2.19 |
| New York | 2.84 | 2.83 | 2.56 | 2.44 | 2.85 | 2.84 | 3.11 | 3.27 |
| North Carolina | 3.16 | 3.46 | 3.20 | 3.43 | 3.95 | 3.83 | 3.66 | 3.91 |
| North Dakota | 3.10 | 3.05 | 2.11 | 2.49 | 2.57 | 2.34 | 2.74 | 2.86 |
| Ohio | 4.22 | 6.02 | 5.54 | 4.70 | 5.16 | 4.80 | 5.08 | 4.89 |
| Oklahoma | 2.52 | 2.16 | 2.73 | 2.61 | 2.38 | 2.51 | 2.46 | 2.36 |
| Oregon | 2.61 | 2.72 | 2.93 | 3.58 | 3.87 | 3.23 | 2.78 | 2.78 |
| Pennsylvania | 3.69 | 3.73 | 4.73 | 5.10 | 6.23 | 4.94 | 3.97 | 4.06 |
| Rhode Island | 4.05 | 4.07 | 4.30 | 4.66 | 4.82 | 4.69 | 4.68 | 4.26 |
| South Carolina | 3.30 | 3.40 | 3.35 | 3.46 | 3.96 | 3.65 | 3.81 | 3.58 |
| South Dakota | 3.07 | 2.93 | 3.91 | 4.68 | 4.27 | 2.90 | 4.42 | 4.37 |
| Tennessee | 3.57 | 3.06 | 2.42 | 2.77 | 3.12 | 3.10 | 3.40 | 6.62 |
| Texas | 2.59 | 2.37 | 2.09 | 2.35 | 2.62 | 2.36 | 2.65 | 2.68 |
| Utah | 3.07 | 2.94 | 3.37 | 3.48 | 2.64 | 2.73 | 2.62 | 2.89 |
| Vermont | 2.67 | 1.99 | 2.26 | 2.34 | 2.60 | 2.69 | 2.82 | 2.74 |
| Virginia | 3.31 | 3.80 | 4.86 | 5.14 | 4.96 | 4.32 | 4.37 | 3.92 |
| Washington | 1.79 | 2.46 | 2.37 | 2.20 | 2.16 | 2.60 | 2.37 | 2.60 |
| West Virginia | 3.55 | 3.22 | 2.58 | 2.43 | 2.76 | 2.91 | 3.43 | 3.60 |
| Wisconsin | 3.10 | 3.18 | 3.76 | 4.23 | 4.07 | 3.68 | 3.89 | 3.64 |
| Wyoming | 3.22 | 2.97 | 2.48 | 2.86 | 2.74 | 2.51 | 1.29 | 1.28 |
| **Total** | **2.99** | **2.99** | **2.78** | **3.01** | **3.31** | **2.98** | **3.12** | **3.23** |

NA Not Available.

— Not Applicable.

**Notes:** Geographic coverage is the 50 States and the District of Columbia. Prices in this table represent the average price of natural gas by State at the point where the gas transferred from a pipeline to a local distribution company within the State. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

**Source:** Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 21

# Table 21. Average Price of Natural Gas Delivered to Residential Consumers, by State, 1998-2000

(Dollars per Thousand Cubic Feet)

| State | 2000 | 1999 | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | January | Total | December | November | October | September | August | July |
| Alabama | 7.41 | 8.37 | 8.22 | 9.17 | 10.27 | 11.61 | 11.91 | 11.38 |
| Alaska | 3.34 | 3.64 | 3.45 | 3.58 | 3.70 | 3.84 | 4.27 | 4.31 |
| Arizona | 7.88 | 9.18 | 8.76 | 10.32 | 11.84 | 12.63 | 12.84 | 12.26 |
| Arkansas | NA | NA | 6.56 | NA | 9.42 | 8.95 | 10.63 | 9.65 |
| California | 6.30 | 6.62 | 6.52 | 7.13 | 7.51 | 6.88 | 7.21 | 7.04 |
| Colorado | NA | 5.24 | 5.13 | 5.64 | 6.04 | 7.43 | 7.59 | 7.16 |
| Connecticut | 10.49 | 10.49 | 11.04 | 10.89 | 11.17 | 10.95 | 11.45 | 11.73 |
| Delaware | 7.40 | 8.62 | 8.02 | 8.99 | 10.69 | 12.48 | 12.52 | 10.58 |
| District of Columbia | 8.54 | NA | 8.02 | 10.10 | 11.34 | 12.39 | 8.28 | NA |
| Florida | NA | 11.91 | 11.19 | 12.87 | 14.38 | 14.65 | 14.31 | 13.77 |
| Georgia | NA | NA | NA | NA | NA | NA | NA | 11.45 |
| Hawaii | 19.99 | 18.97 | 20.18 | 19.50 | 20.03 | 19.71 | 19.38 | 18.71 |
| Idaho | 5.45 | 5.43 | 5.57 | 5.82 | 5.92 | 6.58 | 6.55 | 6.21 |
| Illinois | 5.12 | 5.53 | 5.39 | 6.31 | 6.91 | 8.49 | 9.46 | 8.85 |
| Indiana | NA | NA | NA | NA | NA | NA | 7.79 | 7.61 |
| Iowa | 5.27 | 6.11 | 6.10 | 6.52 | 7.56 | 9.24 | 13.37 | 9.40 |
| Kansas | 5.98 | NA | 6.18 | 7.02 | 7.58 | 9.02 | 8.66 | 8.77 |
| Kentucky | 5.56 | 5.73 | 5.93 | 5.87 | 7.00 | 7.53 | 8.16 | 8.17 |
| Louisiana | 5.92 | 6.90 | 7.30 | 8.44 | 9.10 | 9.59 | 9.37 | 8.55 |
| Maine | 7.00 | 7.45 | 6.63 | 7.40 | 7.61 | 8.26 | 9.13 | 9.11 |
| Maryland | 7.38 | NA | 8.19 | 9.02 | 10.03 | 12.70 | 12.97 | NA |
| Massachusetts | NA | NA | NA | NA | NA | NA | NA | NA |
| Michigan | 4.77 | 5.12 | 4.85 | 5.13 | 5.59 | 7.15 | 7.75 | 7.68 |
| Minnesota | NA | NA | NA | NA | 6.25 | 7.47 | 7.91 | 8.04 |
| Mississippi | 5.81 | NA | 5.87 | 7.03 | 7.62 | 6.99 | 7.77 | 7.22 |
| Missouri | 6.16 | 6.28 | 6.38 | 6.84 | 7.73 | 9.35 | 10.48 | 9.85 |
| Montana | 5.25 | 5.15 | 5.03 | 5.32 | 5.57 | 6.27 | 7.46 | 6.58 |
| Nebraska | 4.76 | 5.06 | 5.23 | 6.02 | 6.52 | 7.73 | 8.04 | 7.13 |
| Nevada | NA | 7.10 | 6.16 | 7.18 | 8.24 | 8.85 | 9.03 | 8.86 |
| New Hampshire | 8.15 | 7.73 | 8.65 | 9.07 | 7.25 | 8.75 | 9.29 | 8.68 |
| New Jersey | 8.90 | NA | NA | NA | NA | NA | NA | NA |
| New Mexico | 5.72 | NA | 3.07 | 3.17 | NA | NA | NA | 9.96 |
| New York | NA | NA | NA | NA | NA | NA | NA | NA |
| North Carolina | 8.27 | 8.32 | 8.95 | 8.95 | 10.76 | 11.70 | 13.19 | 11.74 |
| North Dakota | NA | NA | NA | 5.71 | 6.10 | 7.31 | 7.90 | 7.54 |
| Ohio | 6.18 | NA | 6.36 | 6.57 | 6.76 | 8.04 | NA | 8.41 |
| Oklahoma | 5.80 | 5.85 | 6.23 | 8.06 | 8.21 | 9.13 | 9.49 | 8.80 |
| Oregon | 7.33 | 7.17 | 7.10 | 7.16 | 7.67 | 8.64 | 8.91 | 10.50 |
| Pennsylvania | 7.31 | 8.22 | 7.67 | 8.14 | 9.20 | 10.69 | 11.99 | 11.40 |
| Rhode Island | 8.87 | 9.52 | 9.54 | 10.00 | 10.45 | 12.23 | 12.29 | 11.52 |
| South Carolina | 8.76 | 8.61 | 8.76 | 8.85 | 9.37 | 10.20 | 10.46 | 10.20 |
| South Dakota | 5.36 | 5.83 | 6.10 | 6.27 | 7.09 | 8.26 | 9.81 | 8.69 |
| Tennessee | 6.03 | NA | 7.47 | 7.48 | 8.43 | 8.06 | 9.25 | 8.86 |
| Texas | 5.26 | 6.03 | 5.53 | 7.26 | 8.43 | 9.00 | 9.13 | 7.40 |
| Utah | 6.16 | 5.37 | 5.49 | 5.90 | 5.11 | 5.44 | 6.25 | 5.54 |
| Vermont | 7.42 | 7.13 | 7.65 | 7.51 | 7.63 | 9.33 | 9.38 | 9.33 |
| Virginia | 7.65 | NA | 8.16 | 9.57 | 12.04 | 14.20 | 14.40 | 13.85 |
| Washington | NA | NA | NA | NA | NA | NA | NA | NA |
| West Virginia | 7.44 | NA | NA | NA | 8.09 | 9.61 | NA | 10.66 |
| Wisconsin | 5.99 | 6.19 | 6.09 | 6.98 | 5.47 | 7.21 | 7.45 | 7.14 |
| Wyoming | 5.00 | 5.28 | 5.14 | 5.48 | 5.45 | 6.09 | 7.18 | 6.74 |
| **Total** | **6.17** | **6.60** | **6.46** | **7.08** | **7.52** | **8.40** | **8.88** | **8.50** |

See footnotes at end of table.

# Table 21. Average Price of Natural Gas Delivered to Residential Consumers, by State, 1998-2000

(Dollars per Thousand Cubic Feet) — Continued

| State | 1999 | | | | | | 1998 | |
|---|---|---|---|---|---|---|---|---|
| | June | May | April | March | February | January | Total | December |
| Alabama | 10.98 | 9.83 | 7.83 | 7.03 | 8.29 | 7.13 | 8.21 | 9.06 |
| Alaska | 4.10 | 3.81 | 3.65 | 3.59 | 3.53 | 3.53 | 3.67 | 3.51 |
| Arizona | 11.03 | 9.57 | 8.75 | 8.57 | 8.17 | 8.03 | 8.50 | 8.34 |
| Arkansas | 9.45 | 8.25 | 6.70 | 6.16 | 6.94 | 5.66 | 6.85 | 6.82 |
| California | 6.82 | 6.22 | 5.98 | 6.22 | 6.54 | 6.82 | 6.92 | 6.88 |
| Colorado | 6.13 | 5.12 | 5.00 | 4.86 | 4.75 | 4.60 | 5.22 | 4.94 |
| Connecticut | 11.86 | 11.30 | 10.29 | 10.08 | 10.18 | 9.71 | 10.60 | 10.97 |
| Delaware | 10.97 | 9.32 | 8.39 | 8.05 | 8.10 | 8.05 | 8.90 | 8.58 |
| District of Columbia | 8.24 | 8.95 | 7.96 | 7.76 | 8.25 | 8.61 | 8.91 | 8.82 |
| Florida | 13.34 | 12.64 | 11.46 | 10.58 | 11.16 | 10.29 | 11.29 | 11.35 |
| Georgia | 10.16 | NA | 4.12 | 2.44 | 2.38 | 2.01 | 6.78 | 2.42 |
| Hawaii | 18.56 | 18.60 | 18.04 | 18.15 | 18.34 | 18.79 | 19.25 | 18.86 |
| Idaho | 5.83 | 5.46 | 5.31 | 5.10 | 5.13 | 5.03 | 5.33 | 5.15 |
| Illinois | 8.12 | 7.66 | 5.27 | 4.63 | 4.62 | 4.46 | 5.47 | 4.77 |
| Indiana | 6.76 | NA | NA | NA | NA | 5.36 | 6.56 | 5.75 |
| Iowa | 11.36 | 7.77 | 6.00 | 5.26 | 5.07 | 4.79 | 5.96 | 4.96 |
| Kansas | 7.74 | 6.65 | 5.60 | NA | NA | NA | 6.00 | 5.52 |
| Kentucky | 7.75 | 6.75 | 5.46 | 4.82 | 5.27 | 5.24 | 6.03 | 5.35 |
| Louisiana | 8.03 | 7.58 | 6.19 | 5.98 | 5.86 | 5.42 | 6.68 | 6.89 |
| Maine | 8.33 | 8.66 | 7.85 | 7.38 | 7.34 | 7.00 | 8.09 | 7.64 |
| Maryland | 11.87 | NA | 7.98 | NA | NA | 7.37 | 8.29 | 8.12 |
| Massachusetts | NA | NA | NA | NA | 9.19 | 9.39 | 9.42 | 9.67 |
| Michigan | 6.46 | 5.72 | 5.10 | 4.78 | 4.76 | 4.68 | 5.17 | 4.87 |
| Minnesota | 7.19 | 6.26 | 5.21 | 5.08 | 5.06 | 4.96 | 5.48 | 5.22 |
| Mississippi | 7.12 | 6.92 | NA | 4.94 | 5.94 | 4.84 | 6.08 | 6.44 |
| Missouri | 6.09 | 7.08 | 6.06 | 5.41 | 5.70 | 5.71 | 6.57 | 6.20 |
| Montana | 5.99 | 4.66 | 4.95 | 4.94 | 4.93 | 4.75 | 5.25 | 4.99 |
| Nebraska | 6.76 | 5.33 | 4.70 | 4.47 | 4.38 | 4.37 | 5.13 | 4.60 |
| Nevada | 8.15 | 7.39 | 7.00 | 6.94 | 6.75 | 6.70 | 7.11 | 6.74 |
| New Hampshire | 7.88 | 6.38 | 5.67 | 8.23 | 7.60 | 7.44 | 8.12 | 7.98 |
| New Jersey | NA | NA | NA | NA | NA | NA | 7.33 | 8.16 |
| New Mexico | 10.62 | 9.45 | 4.97 | 3.09 | 4.25 | 2.63 | 5.22 | 3.23 |
| New York | NA | NA | NA | NA | NA | NA | 9.59 | 9.30 |
| North Carolina | 12.98 | 8.76 | 7.92 | 6.20 | 8.40 | 7.56 | 8.69 | 9.45 |
| North Dakota | 7.23 | 5.19 | 4.71 | 4.76 | 4.67 | 4.62 | 5.16 | 5.01 |
| Ohio | 7.89 | 6.83 | 5.83 | 5.63 | 5.69 | 5.87 | 6.43 | 6.08 |
| Oklahoma | 3.77 | 6.95 | 5.59 | 5.33 | 5.48 | 4.45 | 5.93 | 5.51 |
| Oregon | 7.75 | 7.26 | 7.04 | 6.91 | 6.80 | 6.68 | 6.81 | 6.75 |
| Pennsylvania | 10.69 | 9.19 | 7.68 | 7.73 | 7.78 | 7.80 | 8.45 | 7.78 |
| Rhode Island | 11.36 | 9.79 | 9.48 | 8.88 | 8.90 | 8.71 | 9.56 | 9.40 |
| South Carolina | 9.89 | 8.48 | 8.17 | 7.81 | 9.14 | 8.25 | 8.30 | 8.95 |
| South Dakota | 8.46 | 6.48 | 5.43 | 5.00 | 5.09 | 4.89 | 5.59 | 4.99 |
| Tennessee | 9.32 | NA | NA | 6.36 | 6.06 | 5.71 | 6.73 | 6.74 |
| Texas | 7.90 | 6.94 | 6.00 | 5.18 | 5.20 | 4.89 | 6.16 | 5.40 |
| Utah | 5.78 | 4.83 | 4.19 | 5.59 | 5.33 | 5.51 | 5.57 | 5.61 |
| Vermont | 8.42 | 7.41 | 6.83 | 6.68 | 6.29 | 6.64 | 6.54 | 6.38 |
| Virginia | 13.36 | NA | 8.72 | 7.34 | 7.98 | 7.96 | 8.57 | 8.09 |
| Washington | NA | NA | NA | NA | NA | NA | 5.84 | 5.79 |
| West Virginia | 9.88 | NA | NA | NA | 6.96 | 6.90 | 7.29 | 7.18 |
| Wisconsin | 6.70 | 5.91 | 6.13 | 6.05 | 6.28 | 5.82 | 6.15 | 6.00 |
| Wyoming | 5.94 | 5.08 | 5.03 | 5.19 | 5.03 | 4.98 | 5.19 | 4.91 |
| **Total** | **7.91** | **7.07** | **6.32** | **6.00** | **6.23** | **5.97** | **6.82** | **6.34** |

See footnotes at end of table.

Table 21

# Table 21. Average Price of Natural Gas Delivered to Residential Consumers, by State, 1998-2000

(Dollars per Thousand Cubic Feet) — Continued

| State | 1998 | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | November | October | September | August | July | June | May | April |
| Alabama | 10.01 | 10.99 | 10.77 | 10.84 | 11.17 | 10.95 | 9.01 | 7.80 |
| Alaska | 3.70 | 3.74 | 3.01 | 3.75 | 4.71 | 4.02 | 3.83 | 3.66 |
| Arizona | 9.85 | 11.96 | 12.93 | 13.11 | 12.17 | 10.95 | 9.52 | 8.09 |
| Arkansas | 6.79 | 8.12 | 8.80 | 8.98 | 9.02 | 8.71 | 7.58 | 6.42 |
| California | 6.79 | 6.87 | 7.00 | 7.20 | 7.06 | 7.31 | 7.00 | 6.79 |
| Colorado | 5.28 | 5.85 | 8.50 | 7.56 | 6.43 | 16.25 | 5.33 | 4.82 |
| Connecticut | 10.52 | 11.13 | 11.75 | 11.82 | 11.64 | 11.12 | 11.59 | 9.79 |
| Delaware | 9.44 | 11.69 | 12.86 | 12.69 | 11.74 | 11.06 | 9.50 | 8.56 |
| District of Columbia | 9.25 | 10.60 | 11.17 | 8.55 | 8.83 | 8.46 | 9.66 | 8.82 |
| Florida | 12.43 | 13.68 | 13.65 | 13.59 | 13.53 | 13.02 | 12.67 | 10.69 |
| Georgia | 3.45 | 8.03 | 15.61 | 16.04 | 16.85 | 11.80 | 13.61 | 7.14 |
| Hawaii | 19.39 | 19.25 | 19.39 | 18.29 | 18.58 | 18.73 | 19.00 | 19.19 |
| Idaho | 5.42 | 5.79 | 6.54 | 6.70 | 6.25 | 5.85 | 5.58 | 5.37 |
| Illinois | 5.02 | 5.98 | 8.08 | 8.18 | 8.71 | 8.11 | 7.96 | 5.81 |
| Indiana | 5.81 | 6.72 | 8.71 | 9.50 | 9.62 | 8.79 | 8.88 | 7.16 |
| Iowa | 5.75 | 7.39 | 11.08 | 10.95 | 11.75 | 8.48 | 7.87 | 6.42 |
| Kansas | 5.88 | 7.43 | 7.95 | 7.85 | 7.75 | 7.39 | 6.50 | 5.83 |
| Kentucky | 5.76 | 7.99 | 9.44 | 10.07 | 8.11 | 8.64 | 7.23 | 6.63 |
| Louisiana | 7.81 | 8.90 | 8.78 | 8.71 | 8.72 | 8.26 | 8.69 | 6.46 |
| Maine | 7.45 | 7.66 | 8.94 | 9.19 | 9.17 | 8.38 | 8.72 | 8.81 |
| Maryland | 7.92 | 10.06 | 11.22 | 11.50 | 12.01 | 10.81 | 9.84 | 8.35 |
| Massachusetts | 9.66 | 9.44 | 10.84 | 11.29 | 10.44 | 9.24 | 8.81 | 9.54 |
| Michigan | 4.85 | 5.43 | 7.03 | 7.42 | 7.19 | 6.29 | 5.91 | 5.16 |
| Minnesota | 5.31 | 6.02 | 7.05 | 7.33 | 7.58 | 7.16 | 6.57 | 5.63 |
| Mississippi | 4.48 | 7.74 | 7.80 | 7.84 | 7.84 | 7.56 | 6.66 | 6.09 |
| Missouri | 6.63 | 8.85 | 9.87 | 10.95 | 9.90 | 8.85 | 7.41 | 6.15 |
| Montana | 5.22 | 5.84 | 6.97 | 6.99 | 6.38 | 6.07 | 5.76 | 5.10 |
| Nebraska | 4.74 | 5.71 | 6.87 | 7.08 | 6.83 | 6.35 | 5.96 | 5.06 |
| Nevada | 7.14 | 8.00 | 9.25 | 9.27 | 8.69 | 7.74 | 7.30 | 6.90 |
| New Hampshire | 8.26 | 7.29 | 8.91 | 9.32 | 9.03 | 8.18 | 6.84 | 6.38 |
| New Jersey | 8.24 | 8.51 | 9.12 | 9.07 | 8.76 | 8.47 | 6.26 | 7.03 |
| New Mexico | 4.20 | 8.02 | 10.26 | 10.64 | 10.97 | 31.45 | 9.76 | 6.30 |
| New York | 9.50 | 11.62 | 12.66 | 13.24 | 7.08 | 11.99 | 10.73 | 9.56 |
| North Carolina | 8.31 | 11.70 | 12.53 | 13.25 | 12.02 | 11.78 | 9.26 | 7.89 |
| North Dakota | 5.05 | 5.65 | 7.64 | 9.81 | 7.04 | 6.98 | 5.92 | 5.09 |
| Ohio | 6.13 | 7.82 | 9.07 | 9.89 | 8.25 | 7.37 | 6.58 | 6.22 |
| Oklahoma | 6.15 | 8.42 | 9.25 | 9.09 | 8.67 | 8.14 | 6.55 | 5.39 |
| Oregon | 6.91 | 7.66 | 8.82 | 9.21 | 8.43 | 7.51 | 7.21 | 6.52 |
| Pennsylvania | 8.07 | 9.13 | 11.13 | 11.82 | 11.70 | 10.63 | 9.53 | 8.53 |
| Rhode Island | 9.80 | 10.79 | 12.16 | 12.15 | 11.95 | 10.95 | 9.68 | 9.51 |
| South Carolina | 8.77 | 9.56 | 10.05 | 10.29 | 10.13 | 9.70 | 8.21 | 7.65 |
| South Dakota | 5.35 | 6.34 | 8.38 | 8.63 | 8.90 | 6.54 | 6.89 | 5.88 |
| Tennessee | 7.04 | 8.58 | 8.87 | 9.44 | 9.12 | 8.46 | 7.36 | 6.82 |
| Texas | 6.43 | 7.98 | 8.59 | 8.77 | 8.66 | 7.76 | 7.15 | 6.15 |
| Utah | 5.72 | 4.74 | 6.08 | 6.95 | 6.64 | 5.34 | 5.67 | 4.81 |
| Vermont | 6.64 | 7.46 | 5.12 | 8.77 | 8.91 | 8.08 | 7.28 | 6.45 |
| Virginia | 8.10 | 10.85 | 12.39 | 12.60 | 12.09 | 11.60 | 10.03 | 8.44 |
| Washington | 5.63 | 6.09 | 6.20 | 6.22 | 6.12 | 5.99 | 5.90 | 5.82 |
| West Virginia | 7.34 | 8.19 | 9.82 | 10.54 | 10.67 | 9.81 | 8.16 | 7.51 |
| Wisconsin | 6.22 | 5.48 | 6.56 | 6.73 | 7.36 | 6.63 | 6.36 | 6.08 |
| Wyoming | 5.11 | 5.10 | 6.60 | 7.03 | 6.29 | 5.80 | 5.59 | 5.12 |
| **Total** | **6.58** | **7.60** | **8.96** | **9.25** | **8.53** | **8.51** | **7.70** | **6.81** |

[NA] Not Available.

**Notes:** Data for 1998 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District of Columbia. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

**Source:** Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

# Table 22. Average Price of Natural Gas Sold to Commercial Consumers, by State, 1998-2000

(Dollars per Thousand Cubic Feet)

| State | 2000 | 1999 | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | January | Total | December | November | October | September | August | July |
| Alabama | 6.78 | 6.71 | 6.98 | 7.07 | 6.88 | 7.22 | 7.31 | 7.22 |
| Alaska | 2.16 | 2.16 | 2.15 | 2.14 | 2.13 | 1.94 | 1.79 | 1.83 |
| Arizona | 6.14 | 6.18 | 6.21 | 6.34 | 6.32 | 6.27 | 6.38 | 6.13 |
| Arkansas | NA | NA | 4.25 | NA | NA | NA | 5.77 | 5.69 |
| California | 6.05 | 5.83 | 6.40 | 6.38 | 6.33 | 5.96 | 6.08 | 5.68 |
| Colorado | NA | NA | 4.48 | 4.41 | NA | 4.49 | NA | 4.47 |
| Connecticut | 7.97 | 6.59 | 7.87 | 6.91 | 6.10 | 5.27 | 4.91 | 5.13 |
| Delaware | 5.69 | 7.02 | 6.94 | 7.21 | 7.51 | 8.20 | 8.78 | 8.29 |
| District of Columbia | 7.89 | NA | — | 8.72 | 8.35 | 8.14 | 6.92 | NA |
| Florida | NA | 6.51 | 6.84 | 6.98 | 6.85 | 6.90 | 6.66 | 6.47 |
| Georgia | NA | NA | NA | NA | NA | NA | NA | 6.55 |
| Hawaii | 16.02 | 14.33 | 15.80 | 15.90 | 15.71 | 14.90 | 14.45 | 14.46 |
| Idaho | 4.86 | 4.77 | 4.92 | 5.21 | 5.10 | 5.25 | 4.96 | 4.89 |
| Illinois | 4.95 | 5.25 | 5.39 | 6.18 | 6.36 | 7.26 | 8.57 | 7.98 |
| Indiana | NA | NA | NA | NA | NA | NA | NA | 5.03 |
| Iowa | 4.57 | 4.80 | 5.23 | 5.28 | 5.47 | 5.80 | 6.19 | 6.25 |
| Kansas | 4.25 | NA | 5.81 | 6.09 | 5.54 | 4.78 | 4.92 | 5.48 |
| Kentucky | 5.43 | 5.11 | 5.78 | 5.61 | 5.78 | 5.60 | 4.35 | 5.75 |
| Louisiana | 5.46 | 5.69 | 6.10 | 6.68 | 6.22 | 6.38 | 6.23 | 5.79 |
| Maine | 6.48 | 6.68 | 6.25 | 6.68 | 6.55 | 6.89 | 6.89 | 6.81 |
| Maryland | 6.31 | NA | 6.61 | 7.52 | 8.19 | 8.76 | 7.34 | NA |
| Massachusetts | NA | NA | NA | NA | NA | NA | NA | NA |
| Michigan | 4.66 | 4.84 | 4.58 | 4.93 | 5.18 | 5.71 | 6.08 | 5.86 |
| Minnesota | NA | 4.44 | 4.53 | 5.08 | 4.62 | 5.02 | 4.65 | 4.50 |
| Mississippi | 4.64 | NA | 4.95 | 5.41 | 5.01 | 4.62 | 4.88 | 4.45 |
| Missouri | 5.90 | 5.38 | 5.80 | 5.54 | 5.40 | 5.58 | 5.81 | 5.68 |
| Montana | 4.88 | 5.10 | 5.06 | 5.37 | 5.67 | 5.87 | 6.54 | 5.99 |
| Nebraska | 4.05 | 4.10 | 4.32 | 4.62 | 4.33 | 4.36 | 4.11 | 3.84 |
| Nevada | NA | 5.99 | 5.39 | 6.00 | 6.31 | 6.50 | 6.33 | 6.49 |
| New Hampshire | 7.44 | NA | 7.78 | 7.83 | 5.92 | 6.19 | 6.32 | 6.16 |
| New Jersey | 2.95 | NA | NA | NA | NA | NA | NA | NA |
| New Mexico | 4.22 | NA | 2.79 | 2.68 | NA | NA | NA | 4.41 |
| New York | NA | NA | NA | NA | NA | NA | NA | NA |
| North Carolina | 6.80 | 6.31 | 7.34 | 6.83 | 6.61 | 6.13 | 6.28 | 6.13 |
| North Dakota | NA | NA | NA | NA | 5.05 | 5.21 | 4.97 | 5.07 |
| Ohio | 5.96 | NA | 6.02 | 6.04 | 5.91 | 6.17 | NA | 6.60 |
| Oklahoma | 5.75 | 5.11 | 6.05 | 5.81 | 5.23 | 5.28 | 5.36 | 5.43 |
| Oregon | 6.04 | 5.80 | 5.90 | 5.63 | 7.76 | 5.95 | 5.98 | 5.83 |
| Pennsylvania | 5.33 | 8.38 | 7.01 | 6.90 | 7.76 | 7.70 | 8.21 | 7.83 |
| Rhode Island | 6.94 | 8.01 | 7.85 | 8.01 | 8.15 | 8.58 | 14.12 | 8.91 |
| South Carolina | 7.36 | 6.52 | 7.04 | 7.16 | 6.05 | 6.12 | 6.01 | 5.90 |
| South Dakota | 4.36 | 4.52 | 5.09 | 4.86 | 5.36 | 5.56 | 5.99 | 5.29 |
| Tennessee | NA | NA | 6.43 | 6.31 | 5.34 | 5.08 | 5.89 | 5.79 |
| Texas | 4.34 | 4.39 | 4.45 | 4.88 | 4.81 | 4.70 | 4.31 | 4.02 |
| Utah | 4.82 | 4.12 | 4.54 | 4.72 | 3.98 | 3.99 | 4.10 | 4.19 |
| Vermont | 6.20 | 5.54 | 6.20 | 5.98 | 5.54 | 5.68 | 5.76 | 5.72 |
| Virginia | 6.14 | 6.04 | 6.24 | 6.35 | 6.59 | 6.50 | 6.33 | 6.22 |
| Washington | NA | NA | NA | NA | NA | NA | NA | NA |
| West Virginia | 6.14 | NA | NA | 6.18 | 6.29 | 6.65 | NA | 6.76 |
| Wisconsin | 5.07 | 4.94 | 5.20 | 5.83 | 4.12 | 5.50 | 4.98 | 4.68 |
| Wyoming | 4.43 | 4.50 | 4.39 | 4.53 | 4.52 | 4.50 | 4.92 | 4.68 |
| **Total** | **5.06** | **5.26** | **5.44** | **5.46** | **5.34** | **5.41** | **5.30** | **5.24** |

See footnotes at end of table.

Table 22

# Table 22. Average Price of Natural Gas Sold to Commercial Consumers, by State, 1998-2000

(Dollars per Thousand Cubic Feet) — Continued

| State | 1999 | | | | | | 1998 | |
|---|---|---|---|---|---|---|---|---|
| | June | May | April | March | February | January | Total | December |
| Alabama | 7.08 | 6.86 | 6.26 | 6.10 | 6.93 | 6.33 | 6.65 | 7.07 |
| Alaska | 1.76 | 1.95 | 2.28 | 2.34 | 2.38 | 2.44 | 2.41 | 2.46 |
| Arizona | 6.05 | 6.07 | 6.11 | 6.12 | 6.18 | 6.15 | 6.00 | 6.31 |
| Arkansas | NA | NA | 5.24 | 4.85 | 5.27 | 4.70 | 5.16 | 5.28 |
| California | 5.43 | 5.24 | 5.57 | 5.17 | 6.28 | 5.82 | 6.33 | 6.38 |
| Colorado | 4.38 | 4.18 | NA | 4.14 | 4.12 | 4.15 | 4.34 | 4.21 |
| Connecticut | 5.39 | 6.51 | 6.68 | 6.93 | 7.03 | 6.63 | 6.89 | 7.60 |
| Delaware | 7.89 | 7.31 | 6.82 | 6.69 | 6.59 | 6.68 | 7.05 | 6.89 |
| District of Columbia | 6.84 | 6.64 | 6.70 | 6.92 | 7.06 | 7.53 | 7.36 | 7.67 |
| Florida | 6.26 | 6.29 | 6.19 | 6.22 | 6.42 | 6.41 | 6.40 | 6.23 |
| Georgia | 5.99 | NA | 3.43 | 2.17 | 2.35 | 3.78 | 6.00 | 2.77 |
| Hawaii | 14.00 | 13.28 | 13.08 | 13.19 | 13.41 | 13.79 | 14.15 | 13.81 |
| Idaho | 4.92 | 4.85 | 4.83 | 4.49 | 4.59 | 4.46 | 4.62 | 4.59 |
| Illinois | 7.15 | 6.61 | 4.83 | 4.46 | 4.48 | 4.47 | 5.07 | 4.69 |
| Indiana | NA | NA | NA | NA | 4.52 | 4.39 | 5.50 | 4.72 |
| Iowa | 6.44 | 5.51 | 4.67 | 4.11 | 4.30 | 4.12 | 4.67 | 4.06 |
| Kansas | 5.85 | 5.54 | 4.91 | NA | NA | NA | 4.98 | 5.11 |
| Kentucky | 5.59 | 4.36 | 5.03 | 4.39 | 4.93 | 4.98 | 5.43 | 5.12 |
| Louisiana | 5.56 | 5.56 | 5.24 | 5.29 | 5.22 | 5.25 | 5.64 | 6.02 |
| Maine | 6.70 | 7.20 | 7.01 | 6.81 | 6.79 | 6.48 | 7.23 | 6.96 |
| Maryland | 8.29 | NA | 7.03 | NA | NA | 6.49 | 6.64 | 7.11 |
| Massachusetts | 6.12 | 6.24 | 7.79 | 7.72 | NA | 8.08 | 7.32 | 7.68 |
| Michigan | 5.67 | 5.14 | 4.94 | 4.69 | 4.68 | 4.65 | 4.90 | 4.78 |
| Minnesota | 4.61 | 4.38 | 4.01 | 4.20 | 4.25 | 4.33 | 4.39 | 4.37 |
| Mississippi | 4.44 | 4.79 | NA | 4.25 | 4.95 | NA | 4.74 | 5.04 |
| Missouri | 3.63 | 5.22 | 5.19 | 5.06 | 5.43 | 5.55 | 5.68 | 5.60 |
| Montana | 5.63 | 4.60 | 4.88 | 4.90 | 4.91 | 4.80 | 5.13 | 5.01 |
| Nebraska | 3.94 | 3.84 | 3.77 | 3.98 | 4.00 | 4.14 | 4.25 | 3.77 |
| Nevada | 6.40 | 6.09 | 6.10 | 5.89 | 5.92 | 5.85 | 6.28 | 6.22 |
| New Hampshire | 5.98 | NA | 5.40 | 6.97 | 7.15 | 6.89 | 7.18 | 7.38 |
| New Jersey | NA | NA | NA | NA | NA | NA | 3.70 | 3.15 |
| New Mexico | 5.59 | 5.25 | 4.08 | 3.53 | 3.40 | 2.45 | 4.04 | 3.15 |
| New York | NA | NA | NA | NA | NA | NA | 6.08 | 6.05 |
| North Carolina | 6.12 | 5.85 | 5.62 | 5.87 | 6.44 | 6.25 | 6.63 | 7.16 |
| North Dakota | 4.98 | 3.94 | 3.94 | 4.09 | 4.04 | 4.19 | 4.37 | 4.33 |
| Ohio | 6.55 | 5.82 | 5.37 | 5.26 | 5.33 | 5.67 | 5.83 | 5.69 |
| Oklahoma | 5.98 | 4.98 | 4.70 | 5.09 | 5.23 | 4.49 | 5.05 | 4.10 |
| Oregon | 5.75 | 5.65 | 5.65 | 5.63 | 5.64 | 5.51 | 5.25 | 5.96 |
| Pennsylvania | 8.96 | 7.09 | 19.91 | 7.00 | 7.22 | 7.26 | 7.43 | 6.82 |
| Rhode Island | 8.70 | 8.45 | 8.03 | 7.73 | 7.75 | 7.74 | 8.12 | 8.02 |
| South Carolina | 6.00 | 6.04 | 6.45 | 6.40 | 6.94 | 6.75 | 6.48 | 6.77 |
| South Dakota | 5.37 | 4.91 | 4.23 | 3.90 | 4.16 | 3.92 | 4.43 | 3.98 |
| Tennessee | 5.48 | 5.39 | NA | 5.68 | 5.72 | 5.67 | 6.04 | 6.40 |
| Texas | 4.37 | 4.16 | 4.47 | 4.04 | 4.29 | 4.36 | 4.44 | 4.30 |
| Utah | 3.85 | 3.31 | 3.24 | 4.25 | 4.14 | 4.20 | 4.35 | 4.53 |
| Vermont | 5.64 | 5.57 | 5.50 | 5.49 | 5.23 | 5.12 | 5.08 | 4.72 |
| Virginia | 5.79 | 5.90 | 5.82 | 5.67 | 6.04 | 5.81 | 6.12 | 6.02 |
| Washington | NA | NA | NA | NA | NA | NA | 4.75 | 4.68 |
| West Virginia | NA | 6.88 | 6.06 | 6.19 | 6.23 | 6.23 | 6.26 | 5.97 |
| Wisconsin | 4.64 | 4.28 | 4.41 | 4.77 | 4.89 | 5.04 | 4.70 | 4.68 |
| Wyoming | 4.53 | 4.51 | 4.44 | 4.51 | 4.47 | 4.55 | 4.45 | 2.85 |
| **Total** | **5.23** | **5.12** | **5.70** | **5.00** | **5.17** | **5.08** | **5.48** | **5.23** |

See footnotes at end of table.

# Table 22. Average Price of Natural Gas Sold to Commercial Consumers, by State, 1998-2000

(Dollars per Thousand Cubic Feet) — Continued

| State | 1998 | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | November | October | September | August | July | June | May | April |
| Alabama | 7.40 | 6.94 | 6.80 | 6.85 | 7.11 | 7.11 | 6.70 | 6.42 |
| Alaska | 2.48 | 2.33 | 3.23 | 2.15 | 2.08 | 2.05 | 2.24 | 2.32 |
| Arizona | 6.44 | 6.51 | 5.83 | 6.36 | 6.31 | 6.25 | 6.20 | 5.84 |
| Arkansas | 5.17 | 4.91 | 5.03 | 5.00 | 5.30 | 5.17 | 5.32 | 5.20 |
| California | 6.08 | 5.73 | 5.93 | 5.98 | 5.59 | 6.01 | 5.77 | 6.76 |
| Colorado | 3.86 | 3.94 | 4.59 | 4.40 | 4.91 | 4.84 | 4.58 | 4.35 |
| Connecticut | 6.79 | 5.54 | 5.48 | 5.57 | 4.69 | 5.92 | 7.08 | 6.91 |
| Delaware | 6.93 | 8.05 | 8.72 | 8.40 | 8.14 | 7.81 | 7.33 | 6.85 |
| District of Columbia | 7.65 | 7.45 | 7.32 | 7.11 | 6.95 | 6.94 | 6.96 | 7.06 |
| Florida | 6.27 | 6.28 | 6.12 | 6.14 | 6.37 | 6.48 | 6.57 | 6.45 |
| Georgia | 3.36 | 4.95 | 9.16 | 9.03 | 9.51 | 7.66 | 8.09 | 5.70 |
| Hawaii | 14.00 | 14.04 | 16.65 | 10.88 | 13.40 | 13.53 | 14.07 | 14.19 |
| Idaho | 4.84 | 4.92 | 4.95 | 4.89 | 4.91 | 4.84 | 4.78 | 4.77 |
| Illinois | 4.88 | 5.32 | 6.10 | 6.41 | 8.18 | 6.25 | 6.84 | 5.26 |
| Indiana | 4.89 | 5.33 | 6.19 | 6.57 | 6.41 | 6.10 | 6.40 | 6.14 |
| Iowa | 4.52 | 5.15 | 6.54 | 6.44 | 7.71 | 4.27 | 5.79 | 5.32 |
| Kansas | 5.10 | 5.34 | 5.50 | 4.30 | 5.35 | 5.51 | 5.61 | 5.94 |
| Kentucky | 5.16 | 5.78 | 5.79 | 5.83 | 6.34 | 5.91 | 5.27 | 5.60 |
| Louisiana | 6.15 | 6.07 | 5.79 | 5.64 | 5.81 | 5.55 | 6.30 | 5.54 |
| Maine | 6.68 | 6.55 | 6.89 | 6.89 | 6.81 | 6.70 | 7.20 | 7.89 |
| Maryland | 6.07 | 7.71 | 7.27 | 7.40 | 7.89 | 7.13 | 7.48 | 7.06 |
| Massachusetts | 7.49 | 6.06 | 6.19 | 6.48 | 6.24 | 6.19 | 6.48 | 7.54 |
| Michigan | 4.70 | 5.12 | 5.42 | 5.78 | 5.96 | 5.45 | 5.28 | 4.98 |
| Minnesota | 4.26 | 4.22 | 3.92 | 4.43 | 4.65 | 4.45 | 4.63 | 4.52 |
| Mississippi | 3.72 | 4.78 | 3.85 | 4.35 | 4.50 | 4.48 | 4.93 | 5.18 |
| Missouri | 5.50 | 6.17 | 5.71 | 6.04 | 6.01 | 5.65 | 5.52 | 5.40 |
| Montana | 5.19 | 5.68 | 6.19 | 6.18 | 5.78 | 5.79 | 5.50 | 5.01 |
| Nebraska | 3.74 | 3.50 | 3.31 | 3.51 | 3.68 | 3.67 | 4.00 | 4.16 |
| Nevada | 6.69 | 6.99 | 7.32 | 7.30 | 6.43 | 6.25 | 6.08 | 6.09 |
| New Hampshire | 7.30 | 5.94 | 6.40 | 6.70 | 6.59 | 6.45 | 5.98 | 6.18 |
| New Jersey | 3.22 | 3.14 | 2.98 | 2.79 | 3.85 | 3.61 | 3.70 | 4.03 |
| New Mexico | 3.42 | 4.16 | 4.50 | 4.70 | 4.85 | 6.44 | 5.16 | 4.51 |
| New York | 5.61 | 5.40 | 5.64 | 4.59 | 5.49 | 5.15 | 6.36 | 6.55 |
| North Carolina | 6.90 | 6.24 | 6.27 | 6.29 | 6.46 | 6.17 | 6.19 | 6.10 |
| North Dakota | 4.35 | 4.43 | 4.77 | 7.34 | 4.76 | 4.90 | 4.58 | 4.19 |
| Ohio | 5.70 | 6.92 | 7.03 | 7.75 | 6.15 | 6.26 | 5.72 | 5.75 |
| Oklahoma | 6.05 | 5.18 | 5.22 | 5.18 | 5.22 | 5.08 | 4.80 | 4.43 |
| Oregon | 4.39 | 5.48 | 5.50 | 5.86 | 5.71 | 5.48 | 5.45 | 5.16 |
| Pennsylvania | 6.70 | 7.41 | 8.06 | 8.32 | 8.22 | 8.24 | 8.50 | 7.91 |
| Rhode Island | 8.11 | 8.65 | 9.14 | 9.35 | 8.98 | 8.88 | 8.37 | 8.10 |
| South Carolina | 6.61 | 5.76 | 5.91 | 5.93 | 5.91 | 5.98 | 5.94 | 6.42 |
| South Dakota | 4.25 | 4.86 | 5.67 | 5.62 | 6.25 | 4.34 | 5.09 | 4.71 |
| Tennessee | 6.34 | 6.87 | 5.85 | 6.27 | 5.98 | 5.96 | 5.89 | 5.98 |
| Texas | 4.27 | 4.20 | 4.19 | 4.06 | 4.17 | 3.98 | 5.21 | 4.60 |
| Utah | 4.68 | 3.99 | 4.42 | 4.80 | 4.36 | 3.92 | 3.92 | 3.75 |
| Vermont | 4.95 | 4.81 | 4.63 | 5.17 | 4.91 | 5.30 | 5.98 | 5.14 |
| Virginia | 6.11 | 6.33 | 6.24 | 6.63 | 5.91 | 6.33 | 5.59 | 5.74 |
| Washington | 5.32 | 4.77 | 4.85 | 4.91 | 4.90 | 4.82 | 4.73 | 4.68 |
| West Virginia | 6.30 | 6.36 | 6.29 | 6.71 | 7.10 | 7.03 | 7.47 | 6.37 |
| Wisconsin | 4.71 | 3.81 | 4.12 | 4.45 | 4.79 | 4.34 | 4.07 | 4.56 |
| Wyoming | 4.65 | 4.81 | 4.89 | 5.95 | 5.19 | 5.12 | 4.87 | 4.73 |
| **Total** | **5.22** | **5.31** | **5.49** | **5.46** | **5.64** | **5.51** | **5.73** | **5.64** |

NA Not Available.
— Not Applicable.

**Notes:** Data for 1998 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District of Columbia. Average prices for gas delivered to commercial consumers reflect onsystem sales prices only. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy. See Table 25 for data on onsystem sales expressed as a percentage of both total commercial and total industrial deliveries.

**Source:** Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 23

# Table 23. Average Price of Natural Gas Sold to Industrial Consumers, by State, 1998-2000

(Dollars per Thousand Cubic Feet)

| State | 2000 | 1999 | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | January | Total | December | November | October | September | August | July |
| Alabama | 3.45 | 3.32 | 3.42 | 3.79 | 3.39 | 3.59 | 3.33 | 3.06 |
| Alaska | 1.40 | 1.25 | 1.37 | 1.34 | 1.29 | 1.16 | 1.33 | 1.27 |
| Arizona | 3.38 | 3.42 | 3.44 | 3.63 | 3.55 | 3.48 | 3.29 | 3.26 |
| Arkansas | 4.58 | NA | 4.69 | 3.96 | 4.84 | 4.89 | 3.92 | 3.64 |
| California | 3.82 | NA | 4.05 | 4.44 | 4.02 | 2.44 | 3.67 | 3.48 |
| Colorado | NA | NA | 2.53 | 3.30 | 2.83 | 3.12 | 2.96 | NA |
| Connecticut | 5.36 | 4.18 | 4.93 | 4.63 | 4.16 | 3.92 | 3.82 | 3.54 |
| Delaware | 2.64 | 4.16 | 3.96 | 5.25 | 4.61 | 4.64 | 4.25 | 4.16 |
| District of Columbia | — | — | — | — | — | — | — | — |
| Florida | 4.06 | 3.99 | 4.18 | 4.42 | 3.86 | 4.35 | 4.20 | 3.99 |
| Georgia | NA | NA | NA | NA | NA | NA | NA | 4.12 |
| Hawaii | 8.28 | 8.21 | 8.28 | 8.19 | 8.29 | 8.28 | 8.04 | 8.04 |
| Idaho | 3.54 | 3.30 | 3.55 | 3.51 | 3.29 | 3.23 | 3.22 | 3.59 |
| Illinois | 3.16 | 4.04 | 4.58 | 4.76 | 5.17 | 4.56 | 4.05 | 4.17 |
| Indiana | NA | NA | NA | NA | NA | NA | 3.70 | 3.93 |
| Iowa | 4.14 | 3.96 | 5.03 | 4.95 | 4.63 | 4.59 | 3.96 | 2.30 |
| Kansas | 3.59 | NA | 3.48 | 3.75 | 3.39 | 2.82 | 2.62 | 2.52 |
| Kentucky | 3.87 | 3.30 | 4.12 | 3.65 | 3.34 | 3.36 | 3.26 | 2.99 |
| Louisiana | 2.77 | 2.53 | 2.90 | 3.04 | 2.83 | 3.02 | 2.76 | 2.53 |
| Maine | 5.20 | 4.79 | 4.98 | 4.92 | 4.22 | 3.92 | 3.80 | 4.17 |
| Maryland | NA | NA | 6.14 | 5.45 | 5.38 | 6.78 | 4.48 | 5.74 |
| Massachusetts | NA | NA | NA | NA | NA | NA | NA | NA |
| Michigan | 3.92 | 3.92 | 3.92 | 3.81 | 4.25 | 4.51 | 4.81 | 5.11 |
| Minnesota | NA | NA | NA | 4.29 | 3.94 | 3.47 | 2.68 | 2.87 |
| Mississippi | 3.35 | NA | 3.21 | 3.80 | 3.39 | 3.63 | 3.36 | 3.09 |
| Missouri | 4.87 | NA | 4.99 | 4.41 | 4.41 | 4.13 | 3.92 | 3.69 |
| Montana | 4.40 | 4.55 | 4.40 | 4.44 | 5.29 | 5.71 | 6.07 | 5.67 |
| Nebraska | 5.03 | 3.39 | 3.59 | 4.10 | 3.63 | 3.68 | 3.50 | 3.16 |
| Nevada | 4.82 | 4.63 | 4.81 | 4.84 | 4.51 | 4.83 | 4.79 | 4.71 |
| New Hampshire | 6.68 | 4.56 | 8.34 | 5.74 | 3.79 | 3.78 | 3.66 | 3.49 |
| New Jersey | 2.42 | NA | NA | NA | NA | NA | NA | NA |
| New Mexico | 3.44 | NA | 2.09 | 2.29 | NA | NA | NA | 3.39 |
| New York | 5.13 | NA | 4.94 | 4.95 | 4.95 | 4.84 | NA | NA |
| North Carolina | 5.04 | 3.73 | 5.13 | 4.71 | 5.60 | 3.77 | 3.10 | 3.03 |
| North Dakota | 3.17 | NA | NA | 3.17 | 3.14 | 3.24 | 3.00 | 2.73 |
| Ohio | 5.38 | NA | 5.73 | 5.49 | 5.28 | 5.11 | NA | 6.61 |
| Oklahoma | 4.51 | 3.75 | 4.78 | 3.96 | 3.48 | 3.52 | 3.32 | 3.48 |
| Oregon | 4.39 | NA | 4.31 | 4.19 | 3.94 | 4.08 | NA | 3.93 |
| Pennsylvania | 5.20 | 4.21 | 4.56 | 4.28 | 4.12 | 3.97 | 3.83 | 3.77 |
| Rhode Island | 5.49 | 3.96 | 4.96 | 4.60 | 4.62 | 4.19 | 2.61 | 3.33 |
| South Carolina | 4.03 | 3.32 | 3.52 | 4.08 | 3.68 | 3.74 | 3.45 | 3.10 |
| South Dakota | 3.37 | 3.36 | 3.77 | 3.69 | 3.76 | 3.85 | 3.51 | 3.53 |
| Tennessee | 2.78 | NA | 2.78 | 2.79 | 2.90 | 2.20 | 2.77 | 2.69 |
| Texas | NA | NA | 2.37 | 3.10 | 2.74 | 2.97 | 2.86 | 2.53 |
| Utah | 3.45 | 3.02 | 3.69 | 3.04 | 2.90 | 2.93 | 2.85 | 2.85 |
| Vermont | 4.21 | 3.08 | 3.73 | 3.56 | 3.39 | 3.23 | 3.02 | 2.83 |
| Virginia | 4.85 | 3.91 | 4.57 | 5.83 | 3.50 | 3.39 | 2.92 | 3.39 |
| Washington | NA | NA | NA | NA | NA | NA | NA | NA |
| West Virginia | 4.42 | NA | NA | NA | 3.25 | 3.58 | 3.42 | 2.84 |
| Wisconsin | 4.24 | 3.87 | 4.27 | 4.67 | 3.60 | 4.07 | 3.73 | 3.30 |
| Wyoming | NA | NA | 3.19 | 3.16 | 3.18 | 3.04 | 2.86 | 2.95 |
| **Total** | **2.99** | **3.04** | **3.26** | **3.45** | **3.21** | **3.13** | **3.04** | **2.90** |

See footnotes at end of table.

# Table 23. Average Price of Natural Gas Sold to Industrial Consumers, by State, 1998-2000

(Dollars per Thousand Cubic Feet) — Continued

| State | 1999 | | | | | | 1998 | |
|---|---|---|---|---|---|---|---|---|
| | June | May | April | March | February | January | Total | December |
| Alabama | 3.15 | 3.30 | 3.24 | 3.05 | 3.34 | 3.24 | 3.30 | 3.59 |
| Alaska | 1.24 | 1.21 | 1.18 | 1.17 | 1.18 | 1.20 | 1.34 | 1.22 |
| Arizona | 3.62 | 3.11 | 3.26 | 3.71 | 3.42 | 3.48 | 3.26 | 3.38 |
| Arkansas | NA | 3.57 | 3.35 | 3.42 | 3.48 | 3.40 | 3.48 | 3.78 |
| California | 3.34 | 2.86 | 3.12 | 3.09 | NA | 4.02 | 3.77 | 3.70 |
| Colorado | 2.41 | 2.46 | 2.28 | 2.16 | 2.32 | 2.41 | 2.61 | 0.93 |
| Connecticut | 3.70 | 3.70 | 3.98 | 4.23 | 4.39 | 4.49 | 4.34 | 4.55 |
| Delaware | 4.11 | 3.48 | 4.27 | 4.00 | 3.93 | 4.33 | 4.13 | 3.68 |
| District of Columbia | — | — | — | — | — | — | — | — |
| Florida | 4.11 | 3.92 | 3.82 | 3.66 | 3.92 | 3.82 | 3.98 | 3.74 |
| Georgia | 3.46 | NA | 3.39 | 2.76 | 2.64 | 2.55 | 3.92 | 2.18 |
| Hawaii | 8.31 | 8.52 | 8.02 | 8.10 | 8.07 | 8.41 | — | 8.64 |
| Idaho | 3.21 | 3.22 | 3.26 | 3.14 | 3.23 | 3.19 | 3.09 | 3.08 |
| Illinois | 4.03 | 3.85 | 3.17 | 3.50 | 3.71 | 3.81 | 3.96 | 3.82 |
| Indiana | 3.95 | NA | NA | NA | 3.01 | NA | 4.28 | 4.06 |
| Iowa | 6.02 | 3.52 | 3.27 | 3.33 | 3.52 | 3.32 | 3.49 | 3.57 |
| Kansas | 2.51 | NA | 2.97 | 2.98 | 3.25 | NA | 3.17 | 3.26 |
| Kentucky | 2.90 | 3.09 | 2.90 | 3.10 | 3.35 | 3.17 | 4.00 | 3.97 |
| Louisiana | 2.40 | 2.24 | 2.37 | 1.88 | 1.95 | 2.12 | 2.31 | 1.65 |
| Maine | 4.10 | 4.61 | 6.11 | 5.76 | 6.05 | 5.20 | 5.13 | 6.13 |
| Maryland | 6.00 | NA | 3.80 | 4.25 | 6.65 | 6.18 | 5.26 | 5.22 |
| Massachusetts | NA | 4.50 | NA | NA | 6.88 | 4.62 | 5.69 | 6.45 |
| Michigan | 4.46 | 3.83 | 3.69 | 3.76 | 3.66 | 3.92 | 3.91 | 3.88 |
| Minnesota | 2.60 | 3.07 | 2.52 | 2.67 | 2.81 | 2.86 | 2.88 | 2.96 |
| Mississippi | 3.09 | 3.18 | NA | 2.65 | 3.12 | NA | 3.22 | 3.32 |
| Missouri | 3.91 | 4.00 | 3.97 | 4.00 | NA | 4.74 | 4.51 | 3.83 |
| Montana | 5.99 | 4.33 | 4.79 | 4.79 | 4.78 | 3.40 | 4.68 | 4.21 |
| Nebraska | 3.41 | 3.14 | 3.05 | 3.21 | 3.12 | 3.35 | 3.26 | 3.33 |
| Nevada | 4.76 | 4.62 | 4.51 | 4.45 | 4.50 | 4.50 | 4.74 | 4.59 |
| New Hampshire | 3.69 | 1.79 | 2.06 | 6.42 | 6.73 | 6.51 | 4.66 | 5.08 |
| New Jersey | NA | NA | NA | NA | NA | NA | 2.97 | 2.46 |
| New Mexico | 3.35 | 3.36 | NA | 3.60 | 3.58 | NA | 3.22 | 0.56 |
| New York | NA | NA | NA | NA | NA | NA | 4.02 | 3.05 |
| North Carolina | 3.22 | 3.07 | 3.09 | 3.79 | 3.60 | 3.63 | 3.96 | 4.13 |
| North Dakota | 2.59 | 2.77 | 2.37 | 2.47 | 2.53 | 2.66 | 2.82 | 3.07 |
| Ohio | 5.45 | 3.45 | 5.17 | 4.90 | 5.13 | 5.42 | 4.39 | 4.65 |
| Oklahoma | 3.45 | 4.73 | 3.28 | 3.50 | 3.50 | 3.45 | 3.66 | 3.43 |
| Oregon | 3.94 | 3.96 | 3.89 | 3.69 | 4.37 | 3.87 | 3.75 | 4.23 |
| Pennsylvania | 3.80 | 3.92 | 4.19 | 4.41 | 4.45 | 4.59 | 4.15 | 4.16 |
| Rhode Island | 3.29 | 3.74 | 3.52 | 4.32 | 4.77 | 5.00 | 3.82 | 3.85 |
| South Carolina | 3.22 | 3.07 | 2.79 | 2.93 | 3.15 | 3.00 | 3.29 | 3.31 |
| South Dakota | 3.54 | 3.26 | 3.02 | 3.03 | 3.12 | 3.13 | 3.28 | 3.11 |
| Tennessee | 3.31 | 3.19 | NA | 3.37 | 3.54 | 3.57 | 3.94 | 3.26 |
| Texas | 2.41 | NA | 2.14 | 1.98 | 2.04 | 2.12 | 2.35 | 2.27 |
| Utah | 2.86 | 2.92 | 2.99 | 3.31 | 3.16 | 2.85 | 3.00 | 3.20 |
| Vermont | 2.82 | 2.80 | 2.74 | 2.72 | 2.75 | 3.00 | 2.80 | 2.61 |
| Virginia | 3.49 | 3.40 | 3.13 | 3.76 | 3.88 | 5.07 | 4.07 | 5.16 |
| Washington | NA | NA | NA | NA | NA | NA | 2.64 | 2.51 |
| West Virginia | NA | 2.68 | NA | NA | 2.82 | 2.40 | 3.39 | 3.35 |
| Wisconsin | 3.53 | 3.41 | 3.86 | 3.72 | 3.82 | 3.90 | 3.78 | 3.85 |
| Wyoming | 3.20 | 3.66 | 4.00 | 3.83 | NA | 3.74 | 3.37 | 3.38 |
| **Total** | **2.87** | **2.66** | **2.82** | **2.91** | **2.97** | **3.07** | **3.14** | **2.92** |

See footnotes at end of table.

Table 23

# Table 23. Average Price of Natural Gas Sold to Industrial Consumers, by State, 1998-2000

(Dollars per Thousand Cubic Feet) — Continued

| State | 1998 | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | November | October | September | August | July | June | May | April |
| Alabama | 3.32 | 3.28 | 3.05 | 3.16 | 3.22 | 3.19 | 3.20 | 3.49 |
| Alaska | 1.22 | 1.22 | 1.21 | 1.22 | 1.22 | 1.40 | 1.43 | 1.42 |
| Arizona | 3.24 | 2.99 | 3.09 | 3.08 | 3.23 | 3.37 | 3.31 | 3.32 |
| Arkansas | 3.33 | 3.25 | 3.05 | 3.10 | 3.49 | 3.29 | 3.38 | 3.59 |
| California | 3.60 | 2.83 | 3.38 | 3.33 | 3.56 | 3.53 | 3.01 | 4.11 |
| Colorado | 1.17 | 1.22 | 0.78 | 1.39 | 1.51 | 1.49 | 1.55 | 1.67 |
| Connecticut | 4.22 | 3.88 | 3.48 | 3.66 | 3.63 | 3.72 | 4.16 | 4.58 |
| Delaware | 3.79 | 3.70 | 4.33 | 5.05 | 4.26 | 4.29 | 4.26 | 4.56 |
| District of Columbia | — | — | — | — | — | — | — | — |
| Florida | 3.94 | 3.91 | 3.53 | 3.67 | 4.04 | 3.89 | 4.07 | 4.31 |
| Georgia | 2.55 | 3.20 | 3.71 | 4.09 | 3.07 | 4.08 | 4.45 | 4.16 |
| Hawaii | — | — | — | — | — | — | — | — |
| Idaho | 3.16 | 3.02 | 2.94 | 3.32 | 2.97 | 3.10 | 3.09 | 3.10 |
| Illinois | 3.63 | 3.34 | 3.73 | 4.41 | 3.12 | 4.52 | 4.21 | 4.04 |
| Indiana | 3.84 | 3.34 | 3.86 | 5.45 | 4.98 | 3.69 | 4.45 | 4.85 |
| Iowa | 3.83 | 3.71 | 3.61 | 3.29 | 4.45 | 2.45 | 4.54 | 3.24 |
| Kansas | 3.17 | 2.86 | 2.45 | 2.82 | 2.94 | 3.20 | 3.48 | 3.73 |
| Kentucky | 3.42 | 3.94 | 3.89 | 3.94 | 3.83 | 3.72 | 3.49 | 4.20 |
| Louisiana | 2.35 | 2.30 | 2.04 | 2.19 | 2.54 | 2.68 | 2.89 | 2.46 |
| Maine | 4.97 | 4.26 | 3.96 | 3.84 | 4.21 | 4.14 | 4.75 | 6.19 |
| Maryland | 4.74 | 4.14 | 5.76 | 4.48 | 8.08 | 5.37 | 4.53 | 5.24 |
| Massachusetts | 5.60 | 4.23 | 4.13 | 4.26 | 4.72 | 4.76 | 4.54 | 5.89 |
| Michigan | 3.53 | 4.20 | 4.58 | 5.10 | 4.67 | 4.23 | 3.93 | 3.73 |
| Minnesota | 2.77 | 2.63 | 2.64 | 2.86 | 2.79 | 2.54 | 2.97 | 3.01 |
| Mississippi | 2.77 | 3.05 | 3.09 | 3.06 | 3.41 | 3.10 | 3.31 | 3.37 |
| Missouri | 4.28 | 4.02 | 4.13 | 4.07 | 3.93 | 4.30 | 4.27 | 4.10 |
| Montana | 4.64 | 4.84 | 9.73 | 6.61 | 5.96 | 5.63 | 5.15 | 4.56 |
| Nebraska | 3.31 | 2.89 | 2.59 | 2.75 | 3.27 | 3.37 | 3.37 | 3.38 |
| Nevada | 4.53 | 4.39 | 4.35 | 4.46 | 5.86 | 5.81 | 5.94 | 5.84 |
| New Hampshire | 4.98 | 2.89 | 3.79 | 3.63 | 3.67 | 3.47 | 4.00 | 4.10 |
| New Jersey | 2.58 | 2.50 | 2.47 | 2.50 | 3.14 | 3.18 | 3.40 | 3.32 |
| New Mexico | 2.69 | 2.77 | 3.17 | 3.33 | 3.22 | 3.72 | 3.79 | 4.19 |
| New York | 3.02 | 2.64 | 2.44 | 2.55 | 2.82 | 2.55 | 3.21 | 3.21 |
| North Carolina | 3.91 | 3.64 | 3.56 | 3.63 | 3.61 | 3.58 | 3.69 | 3.64 |
| North Dakota | 2.58 | 2.45 | 2.06 | 2.47 | 2.79 | 2.54 | 3.08 | 3.03 |
| Ohio | 3.69 | 4.66 | 4.64 | 6.02 | 4.73 | 4.19 | 4.18 | 4.20 |
| Oklahoma | 3.33 | 3.58 | 3.34 | 3.38 | 3.35 | 3.37 | 3.06 | 3.28 |
| Oregon | 3.48 | 3.94 | 3.55 | 3.72 | 3.78 | 3.80 | 3.72 | 3.70 |
| Pennsylvania | 3.99 | 3.83 | 3.91 | 3.74 | 3.83 | 3.97 | 3.95 | 4.28 |
| Rhode Island | 3.68 | 3.93 | 3.08 | 2.98 | 3.59 | 3.58 | 3.75 | 4.04 |
| South Carolina | 3.22 | 3.16 | 2.95 | 2.50 | 3.43 | 3.25 | 3.37 | 3.48 |
| South Dakota | 3.13 | 3.27 | 3.44 | 3.29 | 3.22 | 3.55 | 3.49 | 3.38 |
| Tennessee | 4.07 | 3.44 | 3.54 | 3.49 | 4.51 | 3.62 | 3.71 | 3.78 |
| Texas | 2.16 | 2.12 | 1.85 | 2.13 | 2.50 | 2.21 | 2.42 | 2.45 |
| Utah | 3.15 | 2.94 | 2.99 | 3.26 | 3.11 | 2.70 | 2.82 | 2.87 |
| Vermont | 2.30 | 2.84 | 2.74 | 2.77 | 2.78 | 2.78 | 2.87 | 2.86 |
| Virginia | 4.34 | 3.75 | 3.24 | 3.22 | 3.95 | 3.56 | 3.24 | 3.02 |
| Washington | 2.44 | 2.35 | 2.39 | 2.60 | 2.51 | 2.84 | 4.02 | 2.86 |
| West Virginia | 3.30 | 3.62 | 3.42 | 3.46 | 3.51 | 3.40 | 3.21 | 3.47 |
| Wisconsin | 3.90 | 3.25 | 2.98 | 3.44 | 3.65 | 3.33 | 3.57 | 4.08 |
| Wyoming | 3.37 | 3.29 | 3.32 | 3.36 | 3.35 | 3.32 | 3.50 | 3.38 |
| **Total** | **2.95** | **2.75** | **2.65** | **2.75** | **3.04** | **2.97** | **3.14** | **3.28** |

NA Not Available.
— Not Applicable.

**Notes:** Data for 1998 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District of Columbia. Average prices for gas delivered to industrial consumers reflect onsystem sales prices only. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy. See Table 25 for data on onsystem sales expressed as a percentage of both total commercial and total industrial deliveries.

**Source:** Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

# Table 24. Average Price of Natural Gas Delivered to Electric Utility[a] Consumers, by State, 1998-1999

(Dollars per Thousand Cubic Feet)

| State | 1999 | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Total | December | November | October | September | August | July | June |
| Alabama | 2.82 | 3.72 | 3.09 | 3.95 | 3.64 | 2.28 | 3.26 | 2.73 |
| Alaska | 1.59 | 1.57 | 1.55 | 1.48 | 1.40 | 1.50 | 1.62 | 1.59 |
| Arizona | 2.67 | 2.62 | 3.04 | 2.96 | 3.03 | 2.84 | 2.56 | 2.62 |
| Arkansas | 2.60 | 2.60 | 2.56 | 2.90 | 3.06 | 2.96 | 2.58 | 2.49 |
| California | 2.74 | 2.74 | 3.00 | 2.98 | 3.19 | 3.00 | 2.71 | 2.57 |
| Colorado | 2.78 | 2.66 | 2.84 | 3.13 | 2.94 | 2.52 | 2.53 | 3.18 |
| Connecticut | 2.72 | 3.20 | 3.06 | 3.02 | 2.88 | 2.65 | 2.59 | 2.52 |
| Delaware | 2.91 | 3.81 | 3.70 | 3.34 | 3.35 | 3.06 | 2.72 | 2.71 |
| District of Columbia | — | — | — | — | — | — | — | — |
| Florida | 2.53 | 2.46 | 3.56 | 3.22 | 2.52 | 2.43 | 2.13 | 2.36 |
| Georgia | 2.57 | 2.85 | 3.65 | 3.13 | 2.62 | 2.66 | 2.60 | 2.47 |
| Hawaii | — | — | — | — | — | — | — | — |
| Idaho | — | — | — | — | — | — | — | — |
| Illinois | 2.41 | 2.37 | 2.25 | 3.15 | 2.86 | 2.72 | 2.48 | 2.44 |
| Indiana | 2.98 | 3.26 | 4.05 | 4.56 | 4.04 | 2.86 | 2.82 | 2.79 |
| Iowa | 3.07 | 3.14 | 3.12 | 3.54 | 3.52 | 2.94 | 2.93 | 2.97 |
| Kansas | 2.37 | 2.57 | 2.87 | 2.81 | 2.73 | 2.60 | 2.31 | 2.35 |
| Kentucky | 3.20 | 2.93 | 4.25 | 3.45 | 3.33 | 3.26 | 2.88 | 3.15 |
| Louisiana | 2.58 | 2.49 | 3.09 | 2.87 | 3.07 | 2.92 | 2.55 | 2.52 |
| Maine | — | — | — | — | — | — | — | — |
| Maryland | 3.11 | 3.60 | 3.68 | 3.25 | 3.29 | 3.44 | 2.98 | 2.88 |
| Massachusetts | 2.70 | 3.39 | 2.88 | 3.10 | 2.99 | 2.99 | 2.73 | 2.75 |
| Michigan | 1.54 | 1.58 | 1.69 | 0.96 | 1.19 | 1.67 | 1.92 | 1.79 |
| Minnesota | 2.60 | 3.23 | 4.20 | 3.52 | 3.08 | 1.93 | 2.60 | 2.48 |
| Mississippi | 2.47 | 2.52 | 2.56 | 2.82 | 2.79 | 2.79 | 2.43 | 2.43 |
| Missouri | 2.66 | 2.78 | 3.00 | 3.06 | 2.81 | 2.91 | 2.54 | 2.48 |
| Montana | 4.02 | 1.39 | 1.44 | 2.48 | 5.15 | 6.14 | 4.20 | 4.40 |
| Nebraska | 2.74 | 3.05 | 4.18 | 2.89 | 3.05 | 3.24 | 2.59 | 2.63 |
| Nevada | 2.51 | 2.72 | 2.78 | 2.68 | 2.78 | 2.49 | 2.43 | 2.46 |
| New Hampshire | 2.87 | — | — | — | 3.02 | 3.02 | 2.43 | 2.44 |
| New Jersey | 3.08 | 3.69 | 3.08 | 3.35 | 3.24 | 3.37 | 2.97 | 2.88 |
| New Mexico | 2.31 | 2.39 | 2.40 | 2.58 | 2.69 | 2.68 | 2.30 | 2.31 |
| New York | 2.84 | 3.14 | 3.19 | 3.28 | 3.20 | 3.05 | 2.80 | 2.72 |
| North Carolina | 2.85 | 4.72 | 4.70 | 3.61 | 3.11 | 3.09 | 2.56 | 2.70 |
| North Dakota | — | — | — | — | — | — | — | — |
| Ohio | 3.03 | 4.20 | 3.11 | 3.11 | 2.91 | 2.98 | 3.31 | 2.99 |
| Oklahoma | 2.76 | 3.07 | 3.43 | 3.15 | 3.18 | 2.94 | 2.65 | 2.59 |
| Oregon | 1.96 | 2.20 | 2.26 | 2.00 | 1.83 | 1.66 | 1.78 | 1.99 |
| Pennsylvania | 3.01 | 3.08 | 3.15 | 3.09 | 2.95 | 3.12 | 3.40 | 2.29 |
| Rhode Island | — | — | — | — | — | — | — | — |
| South Carolina | 3.63 | 4.06 | 3.80 | 3.84 | 3.99 | 3.85 | 3.47 | 3.70 |
| South Dakota | — | — | — | — | — | — | — | — |
| Tennessee | — | — | — | — | — | — | — | — |
| Texas | 2.51 | 2.60 | 2.94 | 2.76 | 2.88 | 2.83 | 2.44 | 2.40 |
| Utah | 2.68 | 2.68 | 3.14 | 3.12 | 2.85 | 2.67 | 2.39 | 2.43 |
| Vermont | 3.23 | 2.92 | 3.78 | 2.17 | 3.25 | 3.31 | — | 2.94 |
| Virginia | 3.19 | 3.69 | 3.96 | 4.29 | 3.35 | 3.42 | 2.78 | 3.39 |
| Washington | — | — | — | — | — | — | — | — |
| West Virginia | 2.98 | — | 2.95 | 2.88 | 2.91 | 2.93 | 3.13 | 3.08 |
| Wisconsin | 2.93 | 2.97 | 3.44 | 3.29 | 3.45 | 2.99 | 2.90 | 2.80 |
| Wyoming | 3.88 | 1.98 | 2.39 | 3.95 | 5.75 | 4.59 | 3.14 | 2.60 |
| **Total** | **2.56** | **2.63** | **3.01** | **2.83** | **2.86** | **2.80** | **2.52** | **2.47** |

See footnotes at end of table.

Table 24

# Table 24. Average Price of Natural Gas Delivered to Electric Utility[a] Consumers, by State, 1998-1999

(Dollars per Thousand Cubic Feet) — Continued

| State | 1999 | | | | | 1998 | | |
|---|---|---|---|---|---|---|---|---|
| | May | April | March | February | January | Total | December | November |
| Alabama | 2.70 | 2.52 | 2.25 | 2.07 | 2.22 | 2.58 | 2.68 | 2.47 |
| Alaska | 1.61 | 1.60 | 1.72 | 1.70 | 1.68 | 1.80 | 1.72 | 1.74 |
| Arizona | 2.67 | 2.22 | 2.13 | 2.29 | 2.32 | 2.42 | 2.38 | 2.77 |
| Arkansas | 2.52 | 2.22 | 1.88 | 1.94 | 2.04 | 2.29 | 2.35 | — |
| California | 2.72 | 2.42 | 2.75 | 2.55 | 2.70 | 2.79 | 2.96 | 2.86 |
| Colorado | 2.60 | 2.25 | 2.18 | 2.24 | 3.26 | 2.98 | 3.33 | 3.15 |
| Connecticut | 2.50 | 2.54 | 2.12 | 2.02 | 2.11 | 2.44 | 1.90 | 2.45 |
| Delaware | 2.53 | 2.46 | 2.46 | 2.98 | 3.34 | 2.89 | 3.34 | 3.24 |
| District of Columbia | — | — | — | — | — | — | — | — |
| Florida | 2.37 | 2.31 | 2.01 | 2.86 | 2.08 | 2.27 | 1.39 | 2.30 |
| Georgia | 2.58 | 2.13 | 1.37 | 2.15 | 4.83 | 3.21 | 2.11 | 2.67 |
| Hawaii | — | — | — | — | — | — | — | — |
| Idaho | — | — | — | — | — | — | — | — |
| Illinois | 2.36 | 2.20 | 1.86 | 1.81 | 2.27 | 2.25 | 2.12 | 2.31 |
| Indiana | 3.19 | 3.14 | 2.71 | 2.78 | 2.99 | 2.88 | 3.36 | 2.86 |
| Iowa | 3.01 | 2.77 | 3.13 | 3.45 | 3.62 | 3.07 | 3.38 | 3.11 |
| Kansas | 2.35 | 2.08 | 1.80 | 1.96 | 2.24 | 2.14 | 2.21 | 2.25 |
| Kentucky | 5.12 | 3.77 | 3.33 | 2.99 | 2.51 | 3.40 | 2.90 | 3.11 |
| Louisiana | 2.58 | 2.25 | 2.01 | 2.08 | 2.13 | 2.37 | 2.16 | 2.32 |
| Maine | — | — | — | — | — | — | — | — |
| Maryland | 3.27 | 2.55 | 2.60 | 3.46 | 3.52 | 2.75 | 2.64 | 3.85 |
| Massachusetts | 2.58 | 2.26 | 2.10 | 2.13 | 2.43 | 2.78 | 2.26 | 2.44 |
| Michigan | 1.74 | 1.09 | 0.88 | 1.33 | 2.07 | 1.24 | 1.25 | 1.10 |
| Minnesota | 2.32 | 2.31 | 2.56 | 3.49 | 3.02 | 2.36 | 3.43 | 2.69 |
| Mississippi | 2.45 | 2.30 | 1.91 | 1.95 | 2.05 | 2.31 | 1.97 | 2.28 |
| Missouri | 2.41 | 2.31 | 2.16 | 2.29 | 2.34 | 2.26 | 2.31 | 2.32 |
| Montana | 10.99 | 5.69 | 7.37 | 5.20 | 2.04 | 2.06 | 1.48 | 1.37 |
| Nebraska | 2.72 | 2.46 | 1.37 | 2.79 | 2.28 | 2.40 | 2.92 | 2.81 |
| Nevada | 2.43 | 2.55 | 2.07 | 2.40 | 2.20 | 2.38 | 2.01 | 2.61 |
| New Hampshire | — | — | — | — | — | — | — | — |
| New Jersey | 2.85 | 2.94 | 2.46 | 2.76 | 2.95 | 2.74 | 2.44 | 3.11 |
| New Mexico | 2.22 | 2.05 | 1.79 | 1.89 | 2.03 | 2.22 | 2.14 | 2.34 |
| New York | 2.71 | 2.49 | 2.37 | 2.55 | 2.80 | 2.57 | 2.43 | 2.80 |
| North Carolina | 2.71 | 3.31 | 3.32 | 3.33 | 3.34 | 2.81 | 3.93 | 3.59 |
| North Dakota | — | — | — | — | — | — | — | — |
| Ohio | 2.42 | 2.06 | 2.99 | 3.32 | 3.88 | 3.24 | 3.88 | 4.36 |
| Oklahoma | 2.66 | 2.58 | 2.28 | 2.48 | 2.32 | 2.48 | 2.28 | 2.50 |
| Oregon | 1.91 | 1.79 | 1.67 | 1.83 | 2.01 | 1.56 | 1.92 | 1.88 |
| Pennsylvania | 3.18 | 2.55 | 3.02 | 2.98 | 2.94 | 3.26 | 4.88 | 6.91 |
| Rhode Island | — | — | — | — | — | 3.38 | — | — |
| South Carolina | 3.46 | 2.94 | 3.02 | 2.86 | 3.00 | 3.62 | 4.05 | 3.71 |
| South Dakota | — | — | — | — | — | 1.77 | — | — |
| Tennessee | — | — | — | — | — | — | — | — |
| Texas | 2.44 | 2.17 | 1.99 | 2.09 | 2.10 | 2.30 | 2.24 | 2.25 |
| Utah | 2.36 | 2.36 | 2.56 | 2.19 | 2.24 | 2.11 | 2.45 | 2.42 |
| Vermont | 3.03 | 2.56 | 2.44 | 2.47 | 2.55 | 2.90 | 2.87 | 2.84 |
| Virginia | 2.89 | 2.79 | 3.09 | 3.12 | 3.18 | 3.10 | 4.03 | 3.72 |
| Washington | — | — | — | — | — | 3.44 | — | — |
| West Virginia | 2.81 | 3.12 | 2.96 | 2.93 | 3.19 | 3.29 | 3.02 | 3.25 |
| Wisconsin | 2.92 | 2.63 | 2.51 | 2.79 | 2.64 | 2.67 | 2.73 | 2.63 |
| Wyoming | 6.59 | 13.06 | 6.02 | 4.83 | 6.92 | 8.31 | 11.18 | 14.27 |
| **Total** | **2.48** | **2.25** | **2.11** | **2.27** | **2.25** | **2.40** | **2.22** | **2.37** |

See footnotes at end of table.

# Table 24. Average Price of Natural Gas Delivered to Electric Utility[a] Consumers, by State, 1998-1999

(Dollars per Thousand Cubic Feet) — Continued

| State | 1998 | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | October | September | August | July | June | May | April | March |
| Alabama | 2.62 | 2.46 | 2.50 | 2.63 | 2.49 | 2.62 | 2.69 | 2.55 |
| Alaska | 1.72 | 1.73 | 1.76 | 1.80 | 1.87 | 1.84 | 1.84 | 1.85 |
| Arizona | 2.11 | 2.33 | 2.28 | 2.41 | 2.79 | 3.20 | 2.82 | 3.07 |
| Arkansas | 2.25 | 2.15 | 2.05 | 2.49 | 2.33 | 2.33 | 2.56 | 2.36 |
| California | 2.56 | 2.50 | 2.83 | 2.92 | 2.70 | 2.94 | 2.71 | 2.85 |
| Colorado | 2.71 | 2.82 | 3.31 | 2.77 | 2.83 | 2.56 | 2.53 | 2.61 |
| Connecticut | 2.07 | 2.22 | 2.34 | 2.46 | 2.38 | 2.56 | 2.70 | 2.79 |
| Delaware | 2.66 | 2.41 | 2.66 | 3.47 | 3.27 | 1.34 | 1.41 | 4.15 |
| District of Columbia | — | — | — | — | — | — | — | — |
| Florida | 2.30 | 2.18 | 2.18 | 2.27 | 2.31 | 2.31 | 2.68 | 2.64 |
| Georgia | 3.80 | 4.00 | 2.82 | 3.18 | 2.91 | 3.72 | 1.94 | 1.72 |
| Hawaii | — | — | — | — | — | — | — | — |
| Idaho | — | — | — | — | — | — | — | — |
| Illinois | 2.20 | 2.01 | 1.95 | 2.27 | 2.37 | 2.37 | 2.55 | 2.34 |
| Indiana | 3.23 | 2.74 | 2.58 | 2.80 | 2.95 | 2.98 | 3.37 | 3.25 |
| Iowa | 2.93 | 2.91 | 2.80 | 3.01 | 2.86 | 3.16 | 3.14 | 3.35 |
| Kansas | 2.03 | 1.87 | 1.99 | 2.28 | 2.14 | 2.20 | 2.40 | 2.36 |
| Kentucky | 2.85 | 2.42 | 2.43 | 2.86 | 3.68 | 3.59 | 5.25 | 4.04 |
| Louisiana | 2.25 | 2.12 | 2.17 | 2.59 | 2.40 | 2.52 | 2.66 | 2.51 |
| Maine | — | — | — | — | — | — | — | — |
| Maryland | 3.13 | 2.53 | 2.49 | 2.84 | 2.93 | 2.96 | 3.33 | 3.18 |
| Massachusetts | 2.28 | 2.13 | 2.35 | 2.62 | 2.24 | 2.86 | 3.66 | 3.64 |
| Michigan | 1.46 | 1.67 | 1.38 | 1.34 | 1.29 | 1.20 | 1.35 | 0.75 |
| Minnesota | 2.32 | 2.00 | 2.41 | 2.48 | 2.42 | 2.74 | 2.76 | 2.83 |
| Mississippi | 2.21 | 2.16 | 2.16 | 2.47 | 2.36 | 2.41 | 2.56 | 2.46 |
| Missouri | 2.14 | 2.13 | 1.95 | 2.39 | 2.41 | 2.31 | 2.56 | 2.52 |
| Montana | 1.30 | 1.02 | 4.99 | 2.47 | 2.59 | 5.34 | 1.40 | 12.33 |
| Nebraska | 2.10 | 1.93 | 2.49 | 2.62 | 2.37 | 2.40 | 1.98 | 2.72 |
| Nevada | 2.33 | 2.42 | 2.42 | 2.34 | 2.73 | 2.44 | 2.31 | 2.02 |
| New Hampshire | — | — | — | — | — | — | — | — |
| New Jersey | 2.74 | 2.56 | 2.46 | 2.92 | 2.73 | 2.77 | 3.05 | 2.88 |
| New Mexico | 2.02 | 1.90 | 2.03 | 2.32 | 2.20 | 2.33 | 2.41 | 2.39 |
| New York | 2.30 | 2.21 | 2.29 | 2.63 | 2.51 | 2.64 | 2.87 | 2.96 |
| North Carolina | 3.00 | 2.53 | 2.55 | 2.92 | 2.78 | 2.89 | 3.37 | 4.03 |
| North Dakota | — | — | — | — | — | — | — | — |
| Ohio | 3.88 | 4.09 | 3.93 | 2.98 | 2.79 | 3.06 | 4.01 | 4.14 |
| Oklahoma | 2.41 | 2.16 | 2.07 | 2.52 | 2.41 | 2.52 | 2.88 | 2.62 |
| Oregon | 1.63 | 1.48 | 1.56 | 1.46 | 1.31 | 1.50 | 1.36 | 1.23 |
| Pennsylvania | 2.50 | 3.74 | 2.63 | 3.18 | 2.32 | 5.37 | 5.94 | 2.69 |
| Rhode Island | — | — | 3.40 | 3.38 | 3.40 | 3.43 | 3.45 | 3.19 |
| South Carolina | 3.21 | 3.37 | 3.53 | 3.58 | 3.92 | 3.41 | 3.44 | 3.58 |
| South Dakota | — | 1.77 | — | — | — | — | — | — |
| Tennessee | — | — | — | — | — | — | — | — |
| Texas | 2.16 | 2.05 | 2.11 | 2.46 | 2.34 | 2.38 | 2.52 | 2.43 |
| Utah | 2.20 | 1.95 | 2.04 | 2.15 | 1.94 | — | — | — |
| Vermont | 2.86 | 2.54 | 2.67 | 3.09 | 2.81 | 3.03 | 3.08 | 2.81 |
| Virginia | 3.09 | 2.76 | 2.60 | 3.02 | 2.93 | 2.99 | 4.46 | 3.34 |
| Washington | — | — | — | — | — | — | 5.59 | 3.86 |
| West Virginia | 1.20 | 2.94 | 3.85 | 6.31 | 2.62 | 3.58 | — | — |
| Wisconsin | 2.42 | 2.31 | 2.49 | 2.80 | 2.64 | 2.95 | 3.13 | 2.75 |
| Wyoming | 5.33 | 6.64 | 67.70 | 8.23 | 7.66 | 11.70 | 4.77 | 10.42 |
| **Total** | **2.22** | **2.15** | **2.21** | **2.50** | **2.40** | **2.47** | **2.59** | **2.53** |

[a] Includes all steam electric utility generating plants with a combined capacity of 50 megawatts or greater.

— Not Applicable.

**Notes:** Data for 1998 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District of Columbia. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

**Sources:** Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants," and Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Table 25

# Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1998-2000

| State | 2000 | | 1999 | | | | | |
|---|---|---|---|---|---|---|---|---|
| | January | | Total | | December | | November | |
| | Commercial | Industrial | Commercial | Industrial | Commercial | Industrial | Commercial | Industrial |
| Alabama | 79.5 | 17.0 | 64.4 | 15.1 | 62.9 | 15.1 | 51.5 | 14.3 |
| Alaska | 69.6 | 99.8 | 56.6 | 99.1 | 62.2 | 97.5 | 61.9 | 97.6 |
| Arizona | 84.5 | 42.0 | 82.7 | 37.2 | 81.8 | 43.9 | 81.8 | 46.3 |
| Arkansas | NA | 17.1 | NA | NA | 100.0 | 16.7 | NA | 10.3 |
| California | 58.0 | 6.4 | 55.5 | 8.6 | 56.5 | 9.0 | 52.8 | 7.6 |
| Colorado | NA | NA | NA | NA | 96.5 | 0.3 | 96.3 | 0.4 |
| Connecticut | 73.9 | 43.3 | 63.7 | 55.8 | 62.2 | 52.2 | 58.3 | 53.2 |
| Delaware | 98.2 | 14.5 | 100.0 | 15.9 | 100.0 | 12.4 | 100.0 | 13.4 |
| District of Columbia | 48.9 | — | NA | — | — | — | 43.8 | — |
| Florida | NA | 3.8 | 91.7 | 3.1 | 90.8 | 3.2 | 87.2 | 2.8 |
| Georgia | NA | NA | NA | NA | NA | NA | NA | NA |
| Hawaii | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Idaho | 89.5 | 3.3 | 86.0 | 2.7 | 85.6 | 2.5 | 82.5 | 2.5 |
| Illinois | 44.8 | 13.8 | 41.6 | 8.2 | 42.0 | 9.0 | 38.3 | 8.4 |
| Indiana | NA | NA | NA | NA | NA | NA | NA | NA |
| Iowa | 85.6 | 8.4 | 83.1 | 7.4 | 83.4 | 8.8 | 82.9 | 7.2 |
| Kansas | 72.6 | 4.3 | NA | NA | 58.5 | 4.6 | 52.7 | 7.7 |
| Kentucky | 87.8 | 15.5 | 86.1 | 16.6 | 89.2 | 18.1 | 84.7 | 15.6 |
| Louisiana | 93.8 | 8.2 | 96.0 | 7.6 | 93.7 | 7.6 | 96.2 | 9.3 |
| Maine | 100.0 | 99.0 | 100.0 | 85.8 | 100.0 | 80.4 | 100.0 | 87.1 |
| Maryland | 60.5 | 26.1 | NA | NA | 35.6 | 5.8 | 28.6 | 6.9 |
| Massachusetts | NA | NA | NA | NA | NA | NA | NA | NA |
| Michigan | 63.7 | 12.5 | 58.2 | 8.2 | 62.7 | 10.1 | 56.3 | 8.7 |
| Minnesota | NA | NA | 95.5 | NA | 95.2 | NA | 91.9 | 40.3 |
| Mississippi | 98.8 | 29.3 | NA | NA | 95.6 | 32.1 | 95.0 | 34.1 |
| Missouri | 83.3 | 23.1 | 77.1 | 18.1 | 79.1 | 22.2 | 70.9 | 16.1 |
| Montana | 79.7 | 0.2 | 81.0 | 1.7 | 85.5 | 2.7 | 82.0 | 2.6 |
| Nebraska | 57.5 | 9.3 | 64.5 | 20.1 | 69.3 | 27.1 | 69.0 | 23.7 |
| Nevada | NA | 31.4 | 58.8 | 8.4 | 66.1 | 30.1 | 56.3 | 24.5 |
| New Hampshire | 93.9 | 23.6 | NA | 26.1 | 92.4 | 30.6 | 93.4 | 31.4 |
| New Jersey | 50.5 | 82.2 | NA | NA | NA | NA | NA | NA |
| New Mexico | 63.8 | 5.5 | NA | NA | 73.3 | 20.3 | 72.5 | 19.0 |
| New York | NA | 46.0 | NA | NA | NA | 27.3 | NA | 26.7 |
| North Carolina | 97.2 | 35.9 | 81.4 | 46.3 | 89.8 | 24.9 | 98.7 | 55.4 |
| North Dakota | NA | 22.8 | NA | NA | NA | NA | NA | 12.7 |
| Ohio | 45.5 | 3.4 | NA | NA | 46.3 | 2.7 | 36.9 | 1.7 |
| Oklahoma | 84.3 | 9.4 | 73.4 | 4.4 | 79.0 | 7.1 | 71.7 | 4.0 |
| Oregon | 99.4 | 18.3 | 98.8 | NA | 99.1 | 11.7 | 99.0 | 12.0 |
| Pennsylvania | 61.0 | 10.5 | 56.1 | 11.2 | 59.7 | 11.8 | 52.6 | 11.3 |
| Rhode Island | 100.0 | 100.0 | 53.1 | 6.5 | 70.0 | 27.3 | 34.9 | 27.4 |
| South Carolina | 98.0 | 80.3 | 92.8 | 83.3 | 95.3 | 82.4 | 100.0 | 88.4 |
| South Dakota | 85.2 | 48.2 | 81.2 | 36.9 | 83.4 | 40.8 | 80.4 | 37.5 |
| Tennessee | 95.0 | 35.4 | NA | NA | 91.5 | 40.0 | 89.7 | 36.3 |
| Texas | 74.2 | 25.3 | 75.7 | NA | 77.6 | 24.3 | 69.4 | 18.6 |
| Utah | 87.1 | 93.2 | 82.9 | 9.8 | 86.9 | 6.9 | 82.8 | 11.4 |
| Vermont | 100.0 | 87.4 | 100.0 | 75.9 | 100.0 | 80.3 | 100.0 | 77.1 |
| Virginia | 74.2 | 20.7 | 65.8 | 11.0 | 71.8 | 13.2 | 65.7 | 12.3 |
| Washington | NA | NA | NA | NA | NA | NA | NA | NA |
| West Virginia | 57.3 | 3.2 | NA | NA | NA | NA | 47.0 | NA |
| Wisconsin | 84.0 | 22.6 | 73.3 | 20.6 | 80.5 | 23.0 | 73.9 | 20.1 |
| Wyoming | 87.7 | 1.1 | 88.2 | 2.4 | 85.9 | 1.4 | 81.2 | 1.5 |
| **Total** | **71.9** | **19.3** | **65.1** | **16.9** | **66.9** | **18.7** | **63.8** | **17.7** |

See footnotes at end of table.

# Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1998-2000 — Continued

| State | 1999 | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | October | | September | | August | | July | |
| | Commercial | Industrial | Commercial | Industrial | Commercial | Industrial | Commercial | Industrial |
| Alabama | 45.0 | 14.1 | 48.8 | 14.4 | 47.0 | 14.2 | 50.9 | 14.7 |
| Alaska | 54.8 | 97.4 | 56.7 | 100.0 | 55.9 | 99.9 | 56.3 | 98.4 |
| Arizona | 79.0 | 39.0 | 78.6 | 40.8 | 78.7 | 34.1 | 83.0 | 43.0 |
| Arkansas | NA | 13.1 | NA | 9.9 | 86.7 | 8.2 | 83.6 | 7.9 |
| California | 53.9 | 8.0 | 49.9 | 10.6 | 37.8 | 7.5 | 52.6 | 8.8 |
| Colorado | NA | 0.5 | 92.8 | 1.8 | NA | 2.9 | 92.1 | NA |
| Connecticut | 56.5 | 54.5 | 74.5 | 59.3 | 51.6 | 54.7 | 55.4 | 54.7 |
| Delaware | 100.0 | 9.1 | 100.0 | 10.1 | 100.0 | 12.7 | 100.0 | 12.3 |
| District of Columbia | 36.8 | — | 32.4 | — | 31.7 | — | NA | — |
| Florida | 91.5 | 2.8 | 94.7 | 2.4 | 93.9 | 2.8 | 94.7 | 2.7 |
| Georgia | NA | NA | NA | NA | NA | NA | 55.3 | 11.0 |
| Hawaii | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Idaho | 79.0 | 2.1 | 80.4 | 2.1 | 82.0 | 3.4 | 83.7 | 2.8 |
| Illinois | 38.6 | 6.3 | 34.5 | 7.2 | 24.5 | 5.1 | 26.3 | 5.3 |
| Indiana | NA | NA | NA | NA | NA | 9.7 | 62.4 | 8.1 |
| Iowa | 79.4 | 7.3 | 71.6 | 7.2 | 75.0 | 7.1 | 72.2 | 7.1 |
| Kansas | 59.5 | 10.0 | 64.4 | 14.5 | 53.7 | 14.9 | 52.3 | 12.4 |
| Kentucky | 83.0 | 18.1 | 82.6 | 15.7 | 66.3 | 16.9 | 79.7 | 16.1 |
| Louisiana | 95.4 | 8.0 | 95.2 | 8.4 | 96.4 | 7.9 | 96.1 | 7.3 |
| Maine | 100.0 | 86.8 | 100.0 | 87.1 | 100.0 | 85.7 | 100.0 | 84.1 |
| Maryland | 25.5 | 4.3 | 20.5 | 4.2 | 19.6 | 4.0 | NA | 3.9 |
| Massachusetts | NA | NA | NA | NA | NA | NA | NA | NA |
| Michigan | 48.7 | 5.9 | 40.1 | 4.9 | 32.0 | 4.4 | 37.5 | 4.5 |
| Minnesota | 98.1 | 44.5 | 96.3 | 37.4 | 89.4 | 34.3 | 96.7 | 36.7 |
| Mississippi | 93.5 | 33.2 | 94.0 | 34.5 | 93.8 | 33.0 | 94.1 | 33.4 |
| Missouri | 69.3 | 12.9 | 64.7 | 12.7 | 65.5 | 11.7 | 47.4 | 11.0 |
| Montana | 80.3 | 1.5 | 75.3 | 0.8 | 68.5 | 0.5 | 70.1 | 1.0 |
| Nebraska | 78.4 | 17.2 | 60.2 | 12.3 | 86.4 | 12.5 | 68.6 | 9.0 |
| Nevada | 54.6 | 24.5 | 50.2 | 16.8 | 35.0 | 17.1 | 33.0 | 18.1 |
| New Hampshire | 90.6 | 28.5 | 89.6 | 27.5 | 80.6 | 26.3 | 86.6 | 26.3 |
| New Jersey | NA | NA | NA | NA | NA | NA | NA | NA |
| New Mexico | NA | NA | NA | NA | NA | NA | 27.3 | 5.7 |
| New York | NA | 27.8 | NA | 29.0 | NA | NA | NA | NA |
| North Carolina | 84.1 | 39.8 | 99.2 | 63.7 | 87.0 | 48.9 | 87.4 | 56.1 |
| North Dakota | 88.9 | 26.5 | 82.6 | 12.0 | 77.9 | 11.6 | 79.6 | 10.9 |
| Ohio | 36.5 | 1.5 | 31.6 | 1.0 | NA | NA | 30.8 | 0.6 |
| Oklahoma | 63.8 | 3.4 | 58.5 | 3.8 | 60.6 | 3.5 | 57.6 | 3.4 |
| Oregon | 98.2 | 12.0 | 98.3 | 12.2 | 98.5 | NA | 98.8 | 12.2 |
| Pennsylvania | 46.9 | 9.9 | 49.2 | 9.3 | 45.2 | 9.4 | 53.6 | 10.7 |
| Rhode Island | 43.6 | 26.8 | 39.9 | 24.7 | 16.4 | 36.2 | 44.1 | 28.7 |
| South Carolina | 93.4 | 82.3 | 99.9 | 88.1 | 94.6 | 81.7 | 94.7 | 87.0 |
| South Dakota | 75.6 | 25.5 | 71.5 | 26.2 | 69.8 | 20.3 | 73.9 | 20.7 |
| Tennessee | 78.7 | 34.3 | 70.8 | 34.8 | 76.1 | 26.7 | 74.1 | 28.3 |
| Texas | 72.3 | 22.0 | 72.8 | 17.1 | 74.4 | 33.3 | 72.5 | 25.4 |
| Utah | 79.9 | 11.0 | 75.4 | 9.8 | 74.4 | 9.2 | 76.0 | 8.7 |
| Vermont | 100.0 | 75.2 | 100.0 | 69.8 | 100.0 | 66.5 | 100.0 | 68.6 |
| Virginia | 61.2 | 11.8 | 59.3 | 10.1 | 57.7 | 5.4 | 62.5 | 9.4 |
| Washington | NA | NA | NA | NA | NA | NA | NA | NA |
| West Virginia | 39.6 | 13.0 | 35.1 | 12.8 | NA | 12.4 | 33.9 | 30.2 |
| Wisconsin | 71.6 | 20.7 | 60.9 | 16.2 | 53.5 | 15.8 | 47.7 | 18.8 |
| Wyoming | 82.2 | 1.9 | 83.9 | 1.8 | 65.7 | 1.7 | 82.0 | 2.8 |
| **Total** | **60.7** | **17.3** | **57.9** | **17.1** | **53.6** | **18.0** | **56.7** | **17.6** |

See footnotes at end of table.

Table 25

# Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1998-2000 — Continued

| State | 1999 | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | June | | May | | April | | March | |
| | Commercial | Industrial | Commercial | Industrial | Commercial | Industrial | Commercial | Industrial |
| Alabama | 53.4 | 15.3 | 67.4 | 15.0 | 76.0 | 15.2 | 76.3 | 15.9 |
| Alaska | 57.4 | 100.0 | 58.9 | 99.9 | 53.5 | 99.9 | 57.5 | 99.9 |
| Arizona | 82.1 | 37.2 | 82.5 | 42.3 | 82.5 | 30.5 | 84.6 | 26.3 |
| Arkansas | NA | NA | NA | 8.6 | 89.6 | 8.7 | 90.1 | 9.6 |
| California | 60.7 | 10.1 | 49.8 | 12.7 | 61.3 | 12.7 | 59.5 | 13.4 |
| Colorado | 95.8 | 0.6 | 96.7 | 0.6 | NA | 0.8 | 96.7 | 0.4 |
| Connecticut | 56.8 | 62.3 | 53.6 | 55.2 | 72.9 | 64.0 | 67.4 | 58.6 |
| Delaware | 100.0 | 16.4 | 100.0 | 22.4 | 100.0 | 17.6 | 100.0 | 22.7 |
| District of Columbia | 33.9 | — | 39.4 | — | 43.5 | — | 53.8 | — |
| Florida | 96.3 | 3.2 | 91.6 | 4.2 | 92.0 | 3.4 | 90.2 | 4.2 |
| Georgia | 60.0 | 10.9 | NA | NA | 82.0 | 6.0 | 83.0 | 13.5 |
| Hawaii | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Idaho | 83.3 | 2.8 | 85.5 | 2.3 | 87.0 | 2.6 | 87.8 | 2.8 |
| Illinois | 33.7 | 6.7 | 34.9 | 6.6 | 40.9 | 10.3 | 47.7 | 9.1 |
| Indiana | NA | 8.0 | NA | NA | NA | NA | NA | NA |
| Iowa | 76.4 | 5.9 | 93.5 | 5.9 | 77.2 | 6.2 | 87.3 | 7.5 |
| Kansas | 55.9 | 6.6 | 68.4 | NA | 69.1 | 4.9 | NA | 5.0 |
| Kentucky | 80.4 | 12.9 | 84.4 | 16.5 | 83.9 | 16.3 | 88.8 | 16.6 |
| Louisiana | 97.1 | 6.7 | 96.6 | 6.6 | 97.2 | 6.5 | 96.2 | 7.5 |
| Maine | 100.0 | 87.9 | 100.0 | 84.4 | 100.0 | 75.1 | 100.0 | 80.7 |
| Maryland | 19.8 | 4.9 | NA | NA | 25.1 | 1.6 | NA | 9.5 |
| Massachusetts | 44.2 | NA | 54.1 | 41.5 | 46.8 | NA | 67.0 | NA |
| Michigan | 39.5 | 4.9 | 47.1 | 7.2 | 58.0 | 14.2 | 63.3 | 16.2 |
| Minnesota | 92.1 | 43.8 | 96.6 | 29.3 | 91.7 | 37.1 | 96.5 | 39.3 |
| Mississippi | 94.4 | 35.2 | 95.8 | 38.1 | NA | NA | 88.4 | 34.9 |
| Missouri | 71.0 | 13.6 | 75.8 | 14.0 | 81.4 | 17.2 | 83.3 | 24.6 |
| Montana | 67.9 | 0.4 | 92.8 | 1.7 | 77.3 | 1.7 | 78.1 | 1.8 |
| Nebraska | 63.2 | 18.1 | 49.5 | 22.4 | 65.0 | 64.6 | 67.6 | 23.8 |
| Nevada | 55.6 | 18.7 | 60.2 | 18.7 | 63.2 | 25.4 | 67.7 | 28.0 |
| New Hampshire | 89.1 | 23.2 | NA | 26.2 | 94.2 | 27.2 | 94.5 | 19.6 |
| New Jersey | NA | NA | NA | NA | NA | NA | NA | NA |
| New Mexico | 28.9 | 5.9 | 27.2 | 4.9 | 40.8 | NA | 58.1 | 4.2 |
| New York | NA | NA | NA | NA | NA | NA | NA | NA |
| North Carolina | 88.0 | 49.9 | 89.9 | 50.0 | 90.7 | 42.0 | 55.1 | 44.4 |
| North Dakota | 77.0 | 16.4 | 85.3 | 6.0 | 86.8 | 14.5 | 89.7 | 13.7 |
| Ohio | 30.1 | 1.1 | 34.5 | 1.8 | 38.7 | 2.0 | 48.5 | 3.6 |
| Oklahoma | 24.2 | 4.0 | 68.1 | 3.8 | 75.7 | 4.3 | 79.2 | 5.0 |
| Oregon | 98.5 | 14.1 | 98.7 | 14.1 | 98.7 | 15.1 | 98.7 | 16.5 |
| Pennsylvania | 50.3 | 11.0 | 59.1 | 11.8 | 56.1 | 11.1 | 61.4 | 12.5 |
| Rhode Island | 46.8 | 32.0 | 48.9 | 31.4 | 56.2 | 38.8 | 60.4 | 50.1 |
| South Carolina | 94.9 | 81.2 | 95.4 | 86.1 | 85.3 | 72.8 | 78.0 | 83.3 |
| South Dakota | 60.2 | 33.2 | 78.7 | 38.8 | 83.2 | 41.8 | 84.3 | 47.4 |
| Tennessee | 58.7 | 27.0 | 77.6 | 26.4 | NA | NA | 83.9 | 22.5 |
| Texas | 72.4 | 21.4 | 74.4 | NA | 75.7 | 20.5 | 78.2 | 16.3 |
| Utah | 72.9 | 14.8 | 80.1 | 8.7 | 83.0 | 8.0 | 82.8 | 8.3 |
| Vermont | 100.0 | 68.7 | 100.0 | 68.8 | 100.0 | 76.3 | 100.0 | 82.2 |
| Virginia | 56.6 | 6.8 | 60.4 | 9.4 | 55.7 | 9.3 | 65.8 | 17.5 |
| Washington | NA | NA | NA | NA | NA | NA | NA | NA |
| West Virginia | NA | NA | 35.8 | 11.8 | 51.4 | NA | 54.2 | NA |
| Wisconsin | 51.4 | 19.9 | 62.8 | 18.3 | 70.9 | 21.3 | 76.6 | 21.9 |
| Wyoming | 83.8 | 3.2 | 87.5 | 3.5 | 88.6 | 2.4 | 88.1 | 2.9 |
| **Total** | **58.9** | **16.9** | **61.1** | **17.1** | **64.4** | **15.8** | **67.9** | **16.0** |

See footnotes at end of table.

# Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1998-2000 — Continued

| State | 1999 | | | | 1998 | | | |
|---|---|---|---|---|---|---|---|---|
| | February | | January | | Total | | December | |
| | Commercial | Industrial | Commercial | Industrial | Commercial | Industrial | Commercial | Industrial |
| Alabama | 77.4 | 16.1 | 81.0 | 18.4 | 80.5 | 23.3 | 75.4 | 20.5 |
| Alaska | 53.8 | 99.9 | 59.8 | 99.9 | 49.6 | 99.4 | 48.8 | 100.0 |
| Arizona | 84.6 | 34.0 | 86.3 | 32.3 | 85.0 | 33.5 | 84.0 | 33.6 |
| Arkansas | 91.4 | 10.6 | 93.3 | 11.7 | 90.8 | 9.5 | 89.0 | 9.0 |
| California | 59.1 | 14.4 | 62.3 | 11.8 | 48.9 | 10.4 | 49.2 | 11.1 |
| Colorado | 93.2 | 0.3 | 97.1 | 0.1 | 94.3 | 7.6 | 95.2 | 3.3 |
| Connecticut | 69.7 | 67.0 | 69.6 | 60.4 | 68.7 | 55.8 | 62.6 | 61.5 |
| Delaware | 100.0 | 24.0 | 100.0 | 18.1 | 100.0 | 22.4 | 100.0 | 24.8 |
| District of Columbia | 52.4 | — | 58.2 | — | 52.3 | — | 59.7 | — |
| Florida | 90.9 | 4.0 | 91.5 | 3.6 | 96.6 | 7.3 | 96.0 | 6.4 |
| Georgia | 81.6 | 11.3 | 85.4 | 10.1 | 83.6 | 25.3 | 79.2 | 22.2 |
| Hawaii | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Idaho | 88.8 | 3.1 | 89.4 | 3.6 | 86.4 | 2.6 | 86.1 | 3.6 |
| Illinois | 46.1 | 10.0 | 46.9 | 10.9 | 47.4 | 9.3 | 45.2 | 12.3 |
| Indiana | 79.3 | 9.2 | 79.9 | NA | 79.2 | 9.3 | 82.6 | 8.6 |
| Iowa | 84.7 | 8.0 | 86.7 | 9.2 | 85.8 | 6.8 | 89.4 | 10.0 |
| Kansas | NA | 5.4 | NA | NA | 69.5 | 9.9 | 61.0 | 5.7 |
| Kentucky | 89.2 | 18.0 | 90.3 | 16.9 | 87.5 | 17.8 | 88.6 | 23.6 |
| Louisiana | 95.9 | 7.8 | 96.2 | 7.5 | 94.6 | 9.3 | 92.2 | 20.6 |
| Maine | 100.0 | 97.3 | 100.0 | 93.8 | 100.0 | 87.4 | 100.0 | 84.4 |
| Maryland | NA | 6.5 | 39.3 | 7.5 | 36.7 | 7.0 | 37.7 | 10.3 |
| Massachusetts | NA | 32.3 | 78.5 | 28.3 | 57.9 | 26.3 | 82.1 | 25.7 |
| Michigan | 64.5 | 17.3 | 67.3 | 16.2 | 59.7 | 10.8 | 64.7 | 12.0 |
| Minnesota | 96.5 | 33.8 | 96.6 | 37.9 | 97.6 | 39.7 | 96.8 | 39.9 |
| Mississippi | 96.9 | 38.2 | NA | NA | 94.8 | 37.6 | 96.3 | 38.6 |
| Missouri | 79.1 | 33.9 | 85.5 | 26.3 | 78.3 | 18.2 | 79.2 | 21.9 |
| Montana | 80.1 | 1.7 | 83.5 | 2.4 | 77.1 | 1.5 | 77.0 | 1.5 |
| Nebraska | 63.5 | 28.7 | 59.8 | 23.5 | 72.5 | 12.7 | 51.5 | 20.6 |
| Nevada | 69.2 | 30.9 | 72.6 | 31.4 | 70.3 | 15.5 | 69.9 | 33.2 |
| New Hampshire | 95.3 | 24.1 | 95.5 | 24.2 | 94.1 | 30.7 | 95.3 | 24.4 |
| New Jersey | NA | NA | NA | NA | 60.5 | 49.5 | 59.7 | 59.4 |
| New Mexico | 52.8 | 3.6 | 66.7 | NA | 67.0 | 9.8 | 79.0 | 4.6 |
| New York | NA | NA | NA | NA | 53.2 | 8.3 | 56.7 | 12.0 |
| North Carolina | 73.8 | 43.2 | 97.0 | 41.1 | 90.6 | 32.1 | 90.2 | 32.7 |
| North Dakota | 83.6 | 13.6 | 92.4 | 18.4 | 83.8 | 14.6 | 87.2 | 18.5 |
| Ohio | 47.1 | 3.6 | 57.0 | 4.1 | 55.1 | 4.3 | 50.3 | 5.2 |
| Oklahoma | 78.9 | 5.1 | 83.2 | 5.7 | 73.2 | 3.6 | 71.3 | 4.9 |
| Oregon | 99.0 | 15.8 | 99.1 | 16.9 | 99.0 | 14.3 | 99.1 | 14.4 |
| Pennsylvania | 56.4 | 11.1 | 66.5 | 14.6 | 56.9 | 13.1 | 59.0 | 13.2 |
| Rhode Island | 61.5 | 30.8 | 59.4 | 24.4 | 59.3 | 7.4 | 52.5 | 7.6 |
| South Carolina | 97.8 | 83.0 | 97.6 | 84.8 | 97.9 | 86.7 | 97.1 | 86.5 |
| South Dakota | 84.1 | 50.0 | 86.6 | 51.8 | 84.2 | 35.6 | 84.6 | 46.5 |
| Tennessee | 84.8 | 23.3 | 89.7 | 25.4 | 87.3 | 33.1 | 89.5 | 33.6 |
| Texas | 81.3 | 13.0 | 71.0 | 13.8 | 81.0 | 14.1 | 83.4 | 12.7 |
| Utah | 85.7 | 10.8 | 85.8 | 12.2 | 82.5 | 8.6 | 85.2 | 9.7 |
| Vermont | 100.0 | 81.5 | 100.0 | 81.4 | 100.0 | 100.0 | 100.0 | 100.0 |
| Virginia | 68.2 | 15.4 | 76.4 | 18.0 | 72.1 | 12.8 | 75.8 | 15.9 |
| Washington | NA | NA | NA | NA | 86.8 | 20.1 | 88.3 | 25.4 |
| West Virginia | 54.8 | 10.1 | 49.9 | 5.4 | 49.5 | 6.3 | 55.3 | 7.4 |
| Wisconsin | 78.8 | 22.7 | 80.6 | 25.4 | 74.0 | 22.0 | 79.2 | 23.8 |
| Wyoming | 97.3 | 4.2 | 96.5 | 4.3 | 90.5 | 2.0 | 97.9 | 2.1 |
| **Total** | **68.8** | **15.5** | **72.7** | **15.4** | **67.0** | **16.1** | **68.3** | **17.2** |

See footnotes at end of table.

Table 25

# Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1998-2000 — Continued

| State | 1998 | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | November | | October | | September | | August | |
| | Commercial | Industrial | Commercial | Industrial | Commercial | Industrial | Commercial | Industrial |
| Alabama | 73.6 | 23.3 | 71.5 | 21.7 | 76.3 | 21.5 | 78.7 | 20.1 |
| Alaska | 51.1 | 100.0 | 48.7 | 100.0 | 47.3 | 100.0 | 48.7 | 96.4 |
| Arizona | 82.9 | 35.3 | 79.9 | 36.7 | 83.7 | 33.3 | 83.0 | 32.7 |
| Arkansas | 86.1 | 10.2 | 81.5 | 10.4 | 82.4 | 9.6 | 84.9 | 8.0 |
| California | 38.8 | 10.5 | 37.5 | 11.1 | 33.2 | 8.7 | 29.0 | 8.0 |
| Colorado | 94.0 | 4.7 | 87.5 | 6.6 | 93.2 | 5.6 | 91.1 | 8.9 |
| Connecticut | 76.1 | 56.0 | 61.3 | 51.9 | 55.2 | 57.5 | 58.0 | 49.3 |
| Delaware | 100.0 | 23.2 | 100.0 | 18.2 | 100.0 | 17.9 | 100.0 | 11.5 |
| District of Columbia | 50.2 | — | 37.8 | — | 36.8 | — | 35.7 | — |
| Florida | 95.6 | 5.8 | 96.0 | 5.6 | 96.4 | 6.5 | 96.4 | 10.2 |
| Georgia | 77.4 | 19.2 | 74.6 | 19.6 | 73.6 | 28.4 | 71.5 | 15.0 |
| Hawaii | 100.0 | — | 100.0 | — | 100.0 | — | 100.0 | — |
| Idaho | 83.9 | 2.2 | 75.3 | 2.6 | 80.6 | 2.5 | 83.3 | 3.5 |
| Illinois | 44.8 | 10.0 | 40.7 | 9.0 | 37.3 | 7.7 | 36.5 | 6.6 |
| Indiana | 74.5 | 8.9 | 69.0 | 8.1 | 57.3 | 6.8 | 70.2 | 5.5 |
| Iowa | 84.0 | 9.7 | 77.4 | 6.8 | 77.0 | 5.7 | 82.1 | 5.7 |
| Kansas | 62.1 | 5.7 | 60.3 | 7.2 | 57.9 | 14.1 | 61.8 | 14.2 |
| Kentucky | 87.1 | 20.9 | 82.3 | 15.9 | 81.9 | 14.7 | 79.1 | 14.1 |
| Louisiana | 94.3 | 9.6 | 93.9 | 8.8 | 94.4 | 9.1 | 94.5 | 7.7 |
| Maine | 100.0 | 87.3 | 100.0 | 87.0 | 100.0 | 87.3 | 100.0 | 85.9 |
| Maryland | 38.3 | 9.5 | 25.2 | 8.6 | 23.0 | 3.9 | 22.7 | 7.2 |
| Massachusetts | 57.8 | 28.5 | 45.1 | 27.8 | 80.7 | 19.3 | 49.6 | 19.8 |
| Michigan | 57.9 | 10.9 | 47.8 | 6.5 | 42.5 | 6.3 | 37.5 | 4.8 |
| Minnesota | 95.9 | 40.4 | 97.9 | 37.1 | 99.3 | 36.7 | 99.0 | 35.3 |
| Mississippi | 95.5 | 38.6 | 95.3 | 37.4 | 94.8 | 34.0 | 97.1 | 37.3 |
| Missouri | 74.5 | 18.3 | 66.6 | 12.8 | 70.1 | 13.1 | 44.5 | 12.6 |
| Montana | 74.9 | 1.4 | 70.5 | 1.0 | 64.2 | 0.6 | 68.6 | 0.8 |
| Nebraska | 66.5 | 14.1 | 80.4 | 13.0 | 74.5 | 10.2 | 82.0 | 7.6 |
| Nevada | 63.6 | 27.5 | 62.6 | 25.5 | 55.5 | 19.1 | 55.2 | 17.7 |
| New Hampshire | 95.5 | 21.9 | 93.1 | 21.5 | 91.9 | 21.5 | 82.4 | 25.8 |
| New Jersey | 60.2 | 55.3 | 53.3 | 52.7 | 54.8 | 52.5 | 57.9 | 51.0 |
| New Mexico | 70.4 | 11.0 | 58.3 | 8.9 | 52.1 | 13.2 | 52.4 | 15.5 |
| New York | 53.3 | 7.7 | 50.2 | 10.7 | 43.3 | 6.9 | 43.2 | 8.2 |
| North Carolina | 87.5 | 34.1 | 83.2 | 27.1 | 84.9 | 23.4 | 86.2 | 27.3 |
| North Dakota | 86.2 | 18.8 | 80.7 | 20.5 | 68.1 | 13.1 | 67.2 | 8.5 |
| Ohio | 50.7 | 4.3 | 56.3 | 2.6 | 44.9 | 2.2 | 36.3 | 1.4 |
| Oklahoma | 65.7 | 3.7 | 60.5 | 1.9 | 59.7 | 1.9 | 59.5 | 1.9 |
| Oregon | 99.0 | 15.1 | 98.4 | 11.8 | 98.7 | 11.6 | 98.6 | 11.8 |
| Pennsylvania | 57.1 | 13.1 | 53.1 | 11.3 | 54.2 | 11.8 | 46.3 | 11.7 |
| Rhode Island | 52.2 | 8.8 | 48.1 | 6.6 | 48.1 | 6.3 | 100.0 | 6.5 |
| South Carolina | 96.9 | 86.5 | 96.9 | 87.4 | 97.2 | 88.2 | 97.2 | 88.0 |
| South Dakota | 84.5 | 45.3 | 95.8 | 40.1 | 73.7 | 22.1 | 74.9 | 18.3 |
| Tennessee | 86.9 | 32.9 | 76.2 | 21.4 | 75.5 | 32.2 | 72.6 | 32.3 |
| Texas | 84.4 | 13.4 | 71.8 | 14.9 | 78.9 | 14.9 | 76.7 | 14.1 |
| Utah | 82.2 | 10.5 | 80.1 | 9.9 | 77.6 | 8.9 | 71.6 | 8.4 |
| Vermont | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Virginia | 72.1 | 16.9 | 63.5 | 9.5 | 59.0 | 7.6 | 50.7 | 13.0 |
| Washington | 85.0 | 21.4 | 85.8 | 31.6 | 86.0 | 17.2 | 84.0 | 15.1 |
| West Virginia | 50.0 | 6.6 | 38.6 | 5.9 | 36.2 | 6.8 | 31.7 | 6.4 |
| Wisconsin | 74.9 | 24.4 | 71.1 | 19.0 | 45.5 | 18.0 | 48.5 | 14.7 |
| Wyoming | 87.7 | 2.0 | 83.8 | 2.2 | 84.9 | 2.4 | 92.6 | 2.6 |
| **Total** | **64.5** | **15.7** | **59.2** | **14.8** | **57.0** | **14.2** | **53.3** | **13.8** |

See footnotes at end of table.

# Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1998-2000 — Continued

| State | 1998 | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | July | | June | | May | | April | |
| | Commercial | Industrial | Commercial | Industrial | Commercial | Industrial | Commercial | Industrial |
| Alabama | 78.6 | 22.4 | 80.9 | 23.0 | 81.7 | 22.4 | 83.0 | 23.8 |
| Alaska | 47.2 | 96.5 | 45.4 | 100.0 | 47.8 | 100.0 | 49.5 | 100.0 |
| Arizona | 84.4 | 32.9 | 86.4 | 33.8 | 83.6 | 35.9 | 85.2 | 32.8 |
| Arkansas | 86.1 | 7.2 | 86.8 | 8.3 | 88.8 | 9.9 | 93.0 | 9.3 |
| California | 36.4 | 9.2 | 58.4 | 10.8 | 53.9 | 11.3 | 58.3 | 10.5 |
| Colorado | 92.0 | 9.4 | 91.6 | 9.9 | 95.0 | 10.1 | 95.8 | 8.4 |
| Connecticut | 62.3 | 54.9 | 61.0 | 50.7 | 76.2 | 53.5 | 62.2 | 59.8 |
| Delaware | 100.0 | 18.1 | 100.0 | 19.7 | 100.0 | 19.9 | 100.0 | 23.8 |
| District of Columbia | 40.7 | — | 42.2 | — | 48.0 | — | 52.8 | — |
| Florida | 96.1 | 7.2 | 96.6 | 7.4 | 96.9 | 5.9 | 97.5 | 7.8 |
| Georgia | 71.5 | 11.5 | 80.9 | 29.3 | 83.7 | 29.9 | 86.3 | 28.7 |
| Hawaii | 100.0 | — | 100.0 | — | 100.0 | — | 100.0 | — |
| Idaho | 84.2 | 2.7 | 85.6 | 1.8 | 85.7 | 2.2 | 86.7 | 2.2 |
| Illinois | 27.8 | 5.4 | 43.2 | 5.7 | 35.7 | 7.4 | 45.0 | 9.9 |
| Indiana | 59.1 | 6.8 | 69.8 | 6.2 | 75.8 | 7.6 | 78.9 | 10.8 |
| Iowa | 72.4 | 5.2 | 73.6 | 4.8 | 88.9 | 4.5 | 84.4 | 5.6 |
| Kansas | 60.8 | 16.7 | 56.3 | 13.6 | 70.9 | 10.4 | 71.3 | 7.3 |
| Kentucky | 76.5 | 18.5 | 82.2 | 16.8 | 84.8 | 17.6 | 86.2 | 17.5 |
| Louisiana | 94.2 | 7.1 | 95.4 | 7.3 | 95.8 | 7.9 | 98.0 | 7.9 |
| Maine | 100.0 | 84.3 | 100.0 | 88.1 | 100.0 | 84.3 | 100.0 | 84.0 |
| Maryland | 22.2 | 2.8 | 24.3 | 5.2 | 26.8 | 8.1 | 32.1 | 2.6 |
| Massachusetts | 46.4 | 18.4 | 42.2 | 18.8 | 48.9 | 31.1 | 56.2 | 29.2 |
| Michigan | 39.6 | 5.6 | 42.3 | 6.1 | 44.3 | 7.5 | 60.1 | 12.1 |
| Minnesota | 98.8 | 36.6 | 99.2 | 43.0 | 99.5 | 36.3 | 99.1 | 39.6 |
| Mississippi | 95.2 | 35.2 | 95.9 | 38.1 | 94.6 | 37.4 | 94.1 | 37.0 |
| Missouri | 66.2 | 14.6 | 67.3 | 13.0 | 76.4 | 14.5 | 82.3 | 17.9 |
| Montana | 67.7 | 0.4 | 66.7 | 0.5 | 72.1 | 0.8 | 76.4 | 1.4 |
| Nebraska | 66.3 | 4.2 | 67.1 | 9.9 | 74.6 | 10.9 | 72.1 | 16.0 |
| Nevada | 65.2 | 3.6 | 70.0 | 4.2 | 71.0 | 4.4 | 72.9 | 5.3 |
| New Hampshire | 89.0 | 34.9 | 90.9 | 32.7 | 94.2 | 38.9 | 95.5 | 44.6 |
| New Jersey | 55.7 | 41.9 | 59.2 | 43.4 | 51.7 | 42.6 | 60.1 | 46.6 |
| New Mexico | 53.2 | 18.7 | 46.7 | 14.1 | 54.6 | 11.1 | 62.1 | 7.2 |
| New York | 43.2 | 6.3 | 49.8 | 6.2 | 48.2 | 5.4 | 53.6 | 8.9 |
| North Carolina | 85.8 | 33.3 | 85.1 | 30.9 | 88.8 | 33.9 | 92.1 | 38.7 |
| North Dakota | 80.4 | 11.1 | 81.7 | 10.5 | 78.8 | 6.4 | 79.6 | 13.2 |
| Ohio | 48.0 | 2.0 | 45.6 | 2.2 | 42.3 | 2.6 | 54.9 | 4.6 |
| Oklahoma | 61.8 | 2.1 | 61.9 | 2.3 | 69.6 | 3.0 | 75.4 | 5.1 |
| Oregon | 98.9 | 12.4 | 99.0 | 14.7 | 98.8 | 15.7 | 98.9 | 14.1 |
| Pennsylvania | 50.1 | 12.2 | 52.7 | 12.5 | 53.1 | 12.9 | 58.5 | 13.0 |
| Rhode Island | 47.3 | 5.7 | 52.2 | 6.3 | 57.4 | 6.5 | 58.1 | 7.5 |
| South Carolina | 97.7 | 87.4 | 97.8 | 88.1 | 98.4 | 87.6 | 98.6 | 85.9 |
| South Dakota | 75.5 | 22.7 | 73.0 | 25.2 | 66.0 | 17.1 | 93.7 | 60.2 |
| Tennessee | 73.0 | 32.4 | 75.9 | 35.6 | 82.4 | 32.6 | 81.6 | 38.9 |
| Texas | 72.4 | 12.4 | 84.3 | 15.2 | 77.6 | 14.2 | 80.4 | 14.6 |
| Utah | 70.6 | 7.3 | 75.6 | 8.8 | 73.6 | 8.6 | 82.5 | 7.7 |
| Vermont | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Virginia | 70.0 | 8.7 | 68.0 | 9.4 | 70.9 | 12.5 | 71.5 | 10.2 |
| Washington | 82.1 | 16.3 | 80.4 | 23.1 | 80.7 | 9.3 | 84.1 | 16.3 |
| West Virginia | 30.4 | 5.7 | 32.4 | 5.7 | 36.3 | 5.9 | 55.2 | 6.2 |
| Wisconsin | 47.6 | 14.7 | 55.5 | 17.3 | 55.6 | 17.0 | 75.5 | 21.5 |
| Wyoming | 84.9 | 2.3 | 86.2 | 2.3 | 90.8 | 1.6 | 92.8 | 2.3 |
| **Total** | **56.0** | **13.1** | **62.9** | **15.1** | **62.6** | **14.9** | **67.7** | **15.8** |

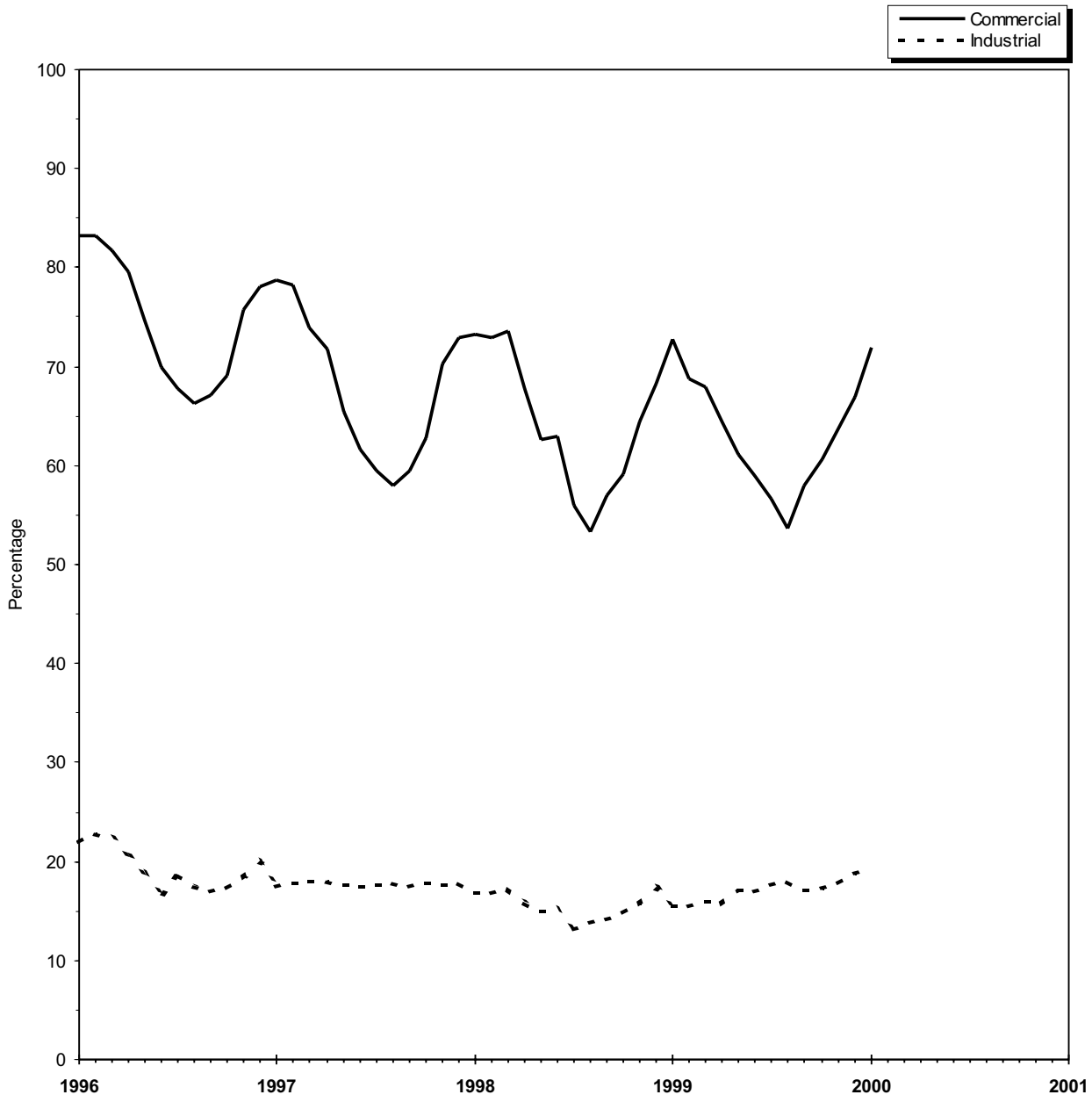
NA Not Available.
— Not Applicable.

**Notes:** Volumes of natural gas reported for the commercial and industrial sectors in this publication include data for both sales and deliveries for the account of others. This table shows the percent of the total State volume that represents natural gas sales to the commercial and industrial sectors. This information may be helpful in evaluating commercial and industrial price data which are based on sales data only. See Appendix C, Statistical Considerations, for a discussion of the computation of natural gas prices.

**Source:** Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Figure 6

## Figure 6. Percentage of Total Deliveries Represented by Onsystem Sales, 1996-2000




**Sources:** Energy Information Administration, Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers" and Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

# Table 26. Gas Home Customer-Weighted Heating Degree Days

| Census Divisions | November 1 through November 30 | | | | | December 1 through December 31 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Normal[a] | 1998 | 1999 | Percent Change: Normal to 1999 | Percent Change: 1998 to 1999 | Normal[a] | 1998 | 1999 | Percent Change: Normal to 1999 | Percent Change: 1998 to 1999 |
| New England | | | | | | | | | | |
| CT, ME, MA, NH, RI, VT | 693 | 711 | 608 | -12.3 | -14.5 | 1,073 | 907 | 952 | -11.3 | 5.0 |
| Middle Atlantic | | | | | | | | | | |
| NJ, NY, PA | 646 | 618 | 536 | -17.0 | -13.3 | 1,010 | 818 | 899 | -11.0 | 9.9 |
| East North Central | | | | | | | | | | |
| IL, IN, MI, OH, WI | 730 | 642 | 592 | -18.9 | -7.8 | 1,142 | 956 | 1,051 | -8.0 | 9.9 |
| West North Central | | | | | | | | | | |
| IA, KS, MN, MO, ND, NE, SD | 788 | 673 | 564 | -28.4 | -16.2 | 1,235 | 1,084 | 1,054 | -14.7 | -2.8 |
| South Atlantic | | | | | | | | | | |
| DE, FL, GA, MD and DC, NC, SC, VA, WV | 421 | 391 | 358 | -15.0 | -8.4 | 696 | 575 | 648 | -6.9 | 12.7 |
| East South Central | | | | | | | | | | |
| AL, KY, MS, TN | 431 | 362 | 350 | -18.8 | -3.3 | 717 | 617 | 667 | -7.0 | 8.1 |
| West South Central | | | | | | | | | | |
| AR, LA, OK, TX | 280 | 214 | 197 | -29.6 | -7.9 | 534 | 509 | 470 | -12.0 | -7.7 |
| Mountain | | | | | | | | | | |
| AZ, CO, ID, MT, NV, NM, UT, WY | 715 | 651 | 546 | -23.6 | -16.1 | 1,006 | 1,008 | 933 | -7.3 | -7.4 |
| Pacific[b] | | | | | | | | | | |
| CA, OR, WA | 341 | 382 | 309 | -9.4 | -19.1 | 519 | 577 | 471 | -9.2 | -18.4 |
| U.S. Average[b] | 559 | 514 | 452 | -19.1 | -12.1 | 881 | 781 | 796 | -9.6 | 1.9 |

| | January 1 through January 31 | | | | | February 1 through February 29 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Normal[a] | 1999 | 2000 | Percent Change: Normal to 2000 | Percent Change: 1999 to 2000 | Normal[a] | 1999 | 2000 | Percent Change: Normal to 2000 | Percent Change: 1999 to 2000 |
| New England | | | | | | | | | | |
| CT, ME, MA, NH, RI, VT | 1,222 | 1,179 | 1,244 | 1.8 | 5.5 | 1,087 | 963 | 979 | -9.9 | 1.7 |
| Middle Atlantic | | | | | | | | | | |
| NJ, NY, PA | 1,168 | 1,095 | 1,151 | -1.5 | 5.1 | 1,031 | 908 | 914 | -11.3 | 0.7 |
| East North Central | | | | | | | | | | |
| IL, IN, MI, OH, WI | 1,314 | 1,273 | 1,248 | -5.0 | -2.0 | 1,127 | 907 | 903 | -19.9 | -0.4 |
| West North Central | | | | | | | | | | |
| IA, KS, MN, MO, ND, NE, SD | 1,384 | 1,332 | 1,243 | -10.2 | -6.7 | 1,129 | 842 | 871 | -22.9 | 3.4 |
| South Atlantic | | | | | | | | | | |
| DE, FL, GA, MD and DC, NC, SC, VA, WV | 809 | 670 | 791 | -2.2 | 18.1 | 672 | 587 | 555 | -17.4 | -5.5 |
| East South Central | | | | | | | | | | |
| AL, KY, MS, TN | 843 | 652 | 762 | -9.6 | 16.9 | 676 | 525 | 493 | -27.1 | -6.1 |
| West South Central | | | | | | | | | | |
| AR, LA, OK, TX | 631 | 468 | 467 | -26.0 | -0.2 | 469 | 268 | 272 | -42.0 | 1.5 |
| Mountain | | | | | | | | | | |
| AZ, CO, ID, MT, NV, NM, UT, WY | 1,052 | 913 | 907 | -13.8 | -0.7 | 847 | 739 | 718 | -15.2 | -2.8 |
| Pacific[b] | | | | | | | | | | |
| CA, OR, WA | 526 | 516 | 452 | -14.1 | -12.4 | 414 | 455 | 392 | -5.3 | -13.8 |
| U.S. Average[b] | 995 | 918 | 918 | -7.7 | 0.0 | 832 | 694 | 680 | -18.3 | -2.0 |

See footnotes at end of table.

# Table 26. Gas Home Customer-Weighted Heating Degree Days — Continued

| Census Divisions | March 1 through March 31 | | | | | Cumulative November 1 through March 31 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Percent Change | | | | | Percent Change | |
| | Normal[a] | 1999 | 2000 | Normal to 2000 | 1999 to 2000 | Normal[a] | 1999 | 2000 | Normal to 2000 | 1999 to 2000 |
| New England | | | | | | | | | | |
| CT, ME, MA, NH, RI, VT | 892 | 858 | 738 | -17.3 | -14.0 | 4,967 | 4,618 | 4,521 | -9.0 | -2.1 |
| Middle Atlantic | | | | | | | | | | |
| NJ, NY, PA | 818 | 840 | 652 | -20.3 | -22.4 | 4,673 | 4,279 | 4,152 | -11.1 | -3.0 |
| East North Central | | | | | | | | | | |
| IL, IN, MI, OH, WI | 867 | 926 | 666 | -23.2 | -28.1 | 5,180 | 4,704 | 4,460 | -13.9 | -5.2 |
| West North Central | | | | | | | | | | |
| IA, KS, MN, MO, ND, NE, SD | 853 | 825 | 663 | -22.3 | -19.6 | 5,389 | 4,756 | 4,395 | -18.4 | -7.6 |
| South Atlantic | | | | | | | | | | |
| DE, FL, GA, MD and DC, NC, SC, VA, WV | 473 | 558 | 368 | -22.2 | -34.1 | 3,071 | 2,781 | 2,720 | -11.4 | -2.2 |
| East South Central | | | | | | | | | | |
| AL, KY, MS, TN | 454 | 537 | 346 | -23.8 | -35.6 | 3,121 | 2,693 | 2,618 | -16.1 | -2.8 |
| West South Central | | | | | | | | | | |
| AR, LA, OK, TX | 284 | 269 | 186 | -34.5 | -30.9 | 2,198 | 1,728 | 1,592 | -27.6 | -7.9 |
| Mountain | | | | | | | | | | |
| AZ, CO, ID, MT, NV, NM, UT, WY | 730 | 629 | 679 | -7.0 | 7.9 | 4,350 | 3,940 | 3,783 | -13.0 | -4.0 |
| Pacific[b] | | | | | | | | | | |
| CA, OR, WA | 398 | 485 | 396 | -0.5 | -18.4 | 2,198 | 2,415 | 2,020 | -8.1 | -16.4 |
| U.S. Average[b] | 647 | 680 | 523 | -19.2 | -23.1 | 3,914 | 3,587 | 3,369 | -13.9 | -6.1 |

[a] Normal is based on calculations of data from 1961 through 1990.
[b] Excludes Alaska and Hawaii.

Note: See Appendix A, Explanatory Note 10 for discussion of Heating Degree-Days computations.
**Sources:** National Oceanic and Atmospheric Administration.

# Appendix A

# Explanatory Notes

The Energy Information Administration (EIA) publishes monthly data for the supply and disposition of natural gas in the United States in the *Natural Gas Monthly* (NGM). The information in this Appendix is provided to assist users in evaluating the monthly data. There is a brief description of what data are estimated and what data are taken from submitted reports, followed by ten technical notes that provide important information for individual data series.

The monthly data are preliminary when initially published. Data shown in this report for the most current months are taken from the EIA Short-Term Integrated Forecasting System (STIFS) model computations. Each month, EIA staff review the STIFS model estimates and adjust them, if necessary, based on their knowledge of new developments in the natural gas industry. Data for prior months are estimated or taken from submitted reports.

**Table A1. Methodology for Reporting Initial Monthly Natural Gas Supply and Disposition Data**

| Components | Reporting Methodology |
|---|---|
| **Supply and Disposition** | |
| Marketed Production | Reported on Form EIA-895 and Estimated from Historical Data |
| Extraction Loss | Derived from Marketed Production |
| Dry Production | Marketed Production minus Extraction Loss |
| Withdrawals from Storage | Reported on Form EIA-191 |
| Supplemental Gaseous Fuels | Derived from Supply Estimates and Coal Gasification Information |
| Imports | Estimated from National Energy Board of Canada Information and Liquefied Natural Gas Information |
| Additions to Storage | Reported on Form EIA-191 |
| Exports | Estimated from Industry Trends and Liquefied Natural Gas Information |
| Current-Month Consumption | Estimated from Historical Month-to-Month Percent Changes |
| **Consumption by Sector** | |
| Lease and Plant Fuel | Derived from Marketed Production |
| Pipeline Fuel | Derived from Estimates for Lease and Plant Fuel and Deliveries to Consumers |
| Residential | Estimated from Reports to the Sample Survey Form EIA-857 |
| Commercial | Estimated from Reports to the Sample Survey Form EIA-857 |
| Industrial | Estimated form Reports to the Sample Survey Form EIA-857 |
| Electric Utilities | Reported of Form EIA-759 |

For data that are not taken from STIFS computations, Table A1 below lists the methodologies for deriving the monthly data to be published.

The STIFS model contains a series of calculations that produce forecasts for all of the energy industry. It is driven primarily by three sets of inputs or assumptions: estimates of key macroeconomic variables, world oil price assumptions, and assumptions about the severity of weather. The natural gas estimates also reflect other key inputs or assumptions including gas wellhead prices, electric power generation by other energy sources, and U.S. gas import capacity. The macroeconomic variable estimates are produced by DRI/McGraw-Hill but are adjusted by EIA to reflect EIA assumptions about the world price of oil, energy product prices, and other assumptions which may affect the macroeconomic outlook. The EIA publishes forecasts for the energy industry each quarter in the *Short-Term Energy Outlook*.

For production, total supply and disposition, and storage data (Tables l, 2, and 9), the most current two months shown are estimates produced from STIFS computations, and data that are two months or more prior to the date of publication are estimated or taken from submitted reports. For example, in the March issue of the NGM, February and March data are taken from the STIFS model computations while January and prior months data are estimated from available data sources or reported directly on EIA forms. For consumption data by sector (Table 3), the most current three months shown are estimates produced from STIFS computations while data that are three months prior to date of publication are taken from EIA forms.

## Note 1. Nonhydrocarbon Gases Removed

### *Annual Data*

Data on nonhydrocarbon gases removed from marketed productioncarbon dioxide, helium, hydrogen sulfide, and nitrogenare reported by State agencies on the voluntary Form EIA-895. For 1995, of the 33 producing States, 22 reported data on nonhydrocarbon gases removed. The 22 States accounted for 60 percent of total 1995 gross withdrawals. Of the 22 States reporting nonhydrocarbon gases removed, 11 reported zero values: Alaska, Arizona, Arkansas, Colorado, Illinois, Maryland, Missouri, Nevada, New York, South Dakota, and Virginia. The ten States reporting volumes greater than zero are Alabama, California, Florida, Kentucky, Mississippi, Nebraska, New Mexico, North Dakota, Texas, and Wyoming. In addition, Kansas, Louisiana, Montana, and Oklahoma, which together accounted for 40 percent of gross withdrawals, did not report nonhydrocarbon gases removed separately. However, their gross withdrawal data excluded all or most of the nonhydrocarbon gases removed on leases. No estimates are made for States not reporting nonhydrocarbon gases removed.

### *Preliminary Monthly Data*

All monthly data are considered preliminary until after publication of the *Natural Gas Annual* for the year in which the report month falls. Seven States report monthly data on nonhydrocarbon gases removed: Alabama, Arizona, Mississippi, New Mexico, North Dakota, Oregon and Texas. Monthly data for California, Colorado, Florida, and Wyoming are estimated based on annual data reported on Form EIA-895. Nonhydrocarbon gases as an annual percentage of gross withdrawals reported by each of the six States is applied to each State's monthly gross withdrawal data to produce an estimate of nonhydrocarbon gases removed.

### *Final Monthly Data*

Beginning with report year 1990, States filing the Form EIA-627, "Annual Quantity and Value of Natural Gas Report," were asked to supply monthly breakdowns of all data previously reported on an annual basis. The sums of the reported figures were used to calculate monthly volumes. In 1997 the Form EIA-627 was discontinued. States were requested to file an annual schedule on the monthly Form EIA-895, "Monthly Quantity and Value of Natural Gas Report."

For States not supplying monthly data on the annual schedule of the EIA-895, final monthly data are calculated by proportionally allocating the differences between total annual data reported on the Form EIA-895 and the sum of monthly data (January-December).

## Note 2. Supplemental Gaseous Fuels

### *Annual Data*

Annual data are published from Form EIA-176.

### *Preliminary Monthly Data*

All monthly data are considered preliminary until after the publication of the *Natural Gas Annual* for the year in which the report month falls. Monthly estimates are based on the annual ratio of supplemental gaseous fuels to the sum of dry gas production, net imports, and net withdrawals from storage. This ratio is applied to the monthly sum of these three elements to compute a monthly supplemental gaseous fuels figure.

### *Final Monthly Data*

Monthly data are revised after publication of the *Natural Gas Annual.* Final monthly data are estimated based on the revised annual ratio of supplemental gaseous fuels to the sum of dry gas production, net imports, and net withdrawals from storage. This ratio is applied to the revised monthly sum of these three elements to compute final monthly data.

## Note 3. Production

### *Annual Data*

Natural gas production data are collected from 33 gas-producing States on Form EIA-895 which includes gross withdrawals, vented and flared, repressuring, nonhydrocarbon gases removed, fuel used on leases, marketed production (wet), and extraction loss. The U.S. Minerals Management Service (MMS) also supplies data on the quantity and value of natural gas production on the Gulf of Mexico and Outer Continental Shelf. No adjustments are made to the data.

### *Estimated Monthly Data*

State marketed production data for a particular month are estimated if data are unavailable at the time of publication. The data are estimated based on final monthly data reported on the Form EIA-895 for the previous year.

Estimates for total U.S. marketed production are based on final monthly data reported on the Form EIA-895 for the previous year. State estimates for nonhydrocarbon gas removed, gas used for repressuring, and gas vented and flared are based on the ratio of the item to gross withdrawals as reported on the EIA-895. These ratios are applied to the month's estimates for gross withdrawals to calculate figures for nonhydrocarbon gases removed, gas used for repressuring, and gas vented and flared. Estimates for gross withdrawal data are calculated from final monthly data filed on Form EIA-895 for the previous year.

### *Preliminary Monthly Data*

All monthly data are considered preliminary until after publication of the *Natural Gas Annual* for the year in which the report month falls. Preliminary monthly data are published from reports from the Form EIA-895 and the MMS. Volumetric data are converted, as necessary, to a standard 14.73 psia pressure base. Data are revised as Table 7 monthly data are updated.

### *Final Monthly Data*

Final monthly data for 1993, 1994, and 1995 are the sums of monthly data reported on the annual Form EIA-627, "Annual Quantity and Value of Natural Gas Report." For prior years, the differences between each State's annual production data reported on the EIA-627 and the sum of its monthly IOGCC reports for the year were allocated proportionally to the monthly IOGCC data.

## Note 4. Imports and Exports

### *Annual Data and Final Monthly Data*

Annual and final monthly data are published from the Office of Fossil Energy, U.S. Department of Energy, *Natural Gas Imports and Exports,* which requires data to be reported each quarter by month for the calendar year.

### *Preliminary Monthly Data - Imports*

Preliminary monthly import data are based on data from the National Energy Board of Canada and responses to informal industry contacts and EIA estimates. Preliminary data are revised after the publication of the article "U.S. Imports and Exports of Natural Gas" for the calendar year.

### *Preliminary Monthly Data - Exports*

Preliminary monthly export data are based on historical data from the Office of Fossil Energy, U.S. Department of Energy, *Natural Gas Imports and Exports*, informal industry contacts, and information gathered from natural gas industry trade publica-

tions. Preliminary monthly data are revised after publication of "U.S. Imports and Exports of Natural Gas" for the calendar year in which the report month falls.

## Note 5. Consumption

### *All Annual Data*

All consumption data except electric utility data are from the Form EIA-857 and Form EIA-176. No adjustments are made to the data. Electric utility data are reported on Form EIA-759.

### *Monthly Data*

All monthly data are considered preliminary until after publication of the *Natural Gas Annual*.

### *Total Consumption*

#### Preliminary Monthly Data

The most current month estimate is calculated based on the arithmetic average change from the previous month for the previous 3 years. The following month this estimate is revised by summing the components (pipeline fuel, lease and plant fuel, and deliveries to consumers).

#### Final Monthly Data

Monthly data are revised after publication of the *Natural Gas Annual*. Final monthly total consumption is obtained by summing its components.

### *Residential, Commercial, and Industrial Sector Consumption*

#### Preliminary Monthly Data

Preliminary monthly residential, commercial, and industrial data are from Form EIA-857. See Appendix C, "Statistical Considerations," for a detailed explanation off sample selection and estimation procedures.

#### Average Price of Deliveries to Consumers

Price data are representative of prices for gas sold and delivered to residential, commercial, and industrial consumers. These prices do not reflect average prices of natural gas transported to consumers for the account of third parties or "spot-market" prices.

#### Final Monthly Data

Monthly data are revised after the publication of the *Natural Gas Annual*. Final monthly data are estimated by allocating annual consumption data from the Form EIA-176 to each month in proportion to monthly volumes reported in Form EIA-857.

### *Agricultural Use*

Beginning with the reporting of 1996 annual data, the EIA changed the customer category used for reporting deliveries to consumers in the agricultural industry from commercial to industrial. In 1995 and earlier years, consumption of natural gas for agricultural use was classified as commercial use. Separate reports of the volumes affected are not available so the direct impact of this change is not known. Most natural gas consumed in agriculture is used to drive irrigation systems and to dry crops.

For the reporting of monthly data, the customer category will not be changed until 1998. In 1996, the monthly data reported under the old classification were adjusted to the annual data reported under the new classification. Monthly 1997 data will be adjusted in the same way as the 1996 data.

In comparing sectoral use over time, note that:

There is an inherent shift in natural gas volumes from the commercial to industrial sectors due simply to changes in the reporting requirements. This break in series may indicate a spurious increase in industrial consumption with a corresponding decrease in the commercial sector.

The sum of natural gas volumes consumed by the commercial and industrial sectors will not be changed by this modification of the instructions.

### *Electric Utility Sector Consumption*

#### All Monthly Data

Monthly data published are from Form EIA-759.

### *Pipeline Fuel Consumption*

#### Preliminary Monthly Data

Preliminary data are estimated based on the pipeline fuel consumption as an annual percentage of total consumption from the previous year's Form EIA-176. This percentage is applied to each month's total consumption figure to compute the monthly estimate.

**Final Monthly Data**

Monthly data are revised after the publication of the *Natural Gas Annual.* Final monthly data are based on the revised annual ratio of pipeline fuel consumption to total consumption from the Form EIA-176. This ratio is applied to each month's revised total consumption figure to compute final monthly pipeline fuel consumption estimates.

### *Lease and Plant Fuel Consumption*

**Preliminary Monthly Data**

Preliminary monthly data are estimated based on lease and plant fuel consumption as an annual percentage of marketed production. This percentage is applied to each month's marketed production figure to compute estimated lease and plant fuel consumption.

**Final Monthly Data**

Monthly data are revised after publication of the *Natural Gas Annual.* Final monthly plant fuel data are based on a revised annual ratio of lease and plant fuel consumption to marketed production from Form EIA-176. This ratio is applied to each month's revised marketed production figure to compute final monthly plant fuel consumption estimates. Final monthly lease data are collected on the Form EIA-627 and estimates from the Form EIA-176. See the *Natural Gas Annual* for a complete discussion of this process.

## Note 6. Extraction Loss

### *Annual Data*

Extraction loss data are calculated from filings of Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production." For a fuller discussion, see the Natural Gas Annual.

### *Preliminary Monthly Data*

Preliminary data are estimated based on extraction loss as an annual percentage of marketed production. This percentage is applied to each month's marketed production to estimate monthly extraction loss.

### *Final Monthly Data*

Monthly data are revised after the publication of the *Natural Gas Annual.* Final monthly data are estimated by allocating annual extraction loss data to each month based on its total natural gas marketed production.

## Note 7. Natural Gas Storage

### *Underground Natural Gas Storage*

All monthly data concerning underground storage are published from the EIA-191. A new EIA-191 became effective in January 1994. Injection and withdrawal data from the EIA-191 survey are adjusted to correspond to data from Form EIA-176 following publication of the *Natural Gas Annual.*

### *Underground and Liquefied Natural Gas Storage*

The final monthly and annual storage and withdrawal data for 1991 through 1995 shown in Table 2 include both underground and liquefied natural gas (LNG) storage. Underground storage data are obtained from the EIA-191 and EIA-176 surveys in the manner described earlier. Annual data on LNG additions and withdrawals are taken from Form EIA-176. Monthly data are estimated by computing the ratio of each month's underground storage additions and withdrawals to annual underground storage additions and withdrawals and applying it to annual LNG data.

### *Types of Underground Storage Facilities*

There are three principal types of underground storage facilities in operation in the United States today: salt caverns (caverns hollowed out in salt "bed" or "dome" formations), depleted fields (depleted reservoirs in oil and / or gas fields), and aquifer reservoirs (water-only reservoirs conditioned to hold natural gas). A storage facility's daily deliverability or withdrawal capability is the amount of gas that can be withdrawn from it in a 24-hour period. Salt cavern storage facilities generally have high deliverability because all of the

working gas in a given facility can be withdrawn in a relatively short period of time. (A typical salt cavern cycle is 10 days to deplete working gas, and 20 days to refill working gas.) By contrast, depleted field and aquifer reservoirs are designed and operated to withdraw all working gas over the course of an entire heating season (about 150 days). Further, while both traditional and salt cavern facilities can be switched from withdrawal to injection operations during the heating season, this is usually more quickly and easily done in salt cavern facilities, reflecting their greater operational flexibility.

## Note 8. Average Wellhead Value

### *Annual Data*

Form EIA-895 requests State agencies to report the quantity and value of marketed production. When complete data are unavailable, the form instructs the State agency to report the available value and the quantity of marketed production associated with this value. A number of States reported volumes of production and associated values for other than marketed production. In addition, information for several States which were unable to provide data was obtained from Form EIA-176. It should be noted that Form EIA-176 reports a fraction of State production. The imputed value of marketed production in each State is calculated by dividing the State's reported value by its associated production. This unit price is then applied to the quantity of the State's marketed production to derive the imputed value of marketed production.

### *Preliminary Monthly Data*

Preliminary values for the monthly U.S. Natural gas wellhead price are estimated from the prevailing cash market prices at 5 major trading hubs: Henry Hub, LA; Carthage, TX; Katy, TX; Waha, TX; and Blanco, NM. These prices appear initially in the trade publication, *Natural Gas Week* , and they reflect the spot delivered-to-pipeline, volume-weighted average prices for natural gas bought and sold at the specified trading hubs. Prices include processing, gathering, and transportation fees to the hubs. The estimated wellhead prices are derived with a statistical procedure based on analysis of monthly time series data for the period 1995 through 1997. The preliminary estimates are replaced when annual survey data become available. This procedure was adopted beginning with publication of the February 1999 issue of the *Natural Gas Monthly* and it affects price estimates from January 1998 to the present.

### *Final Monthly Data*

The Form EIA-895 requests State agencies to report monthly values of marketed production. Preliminary monthly gas price data are replaced by these final monthly data.

## Note 9. Balancing Item

The "balancing item" category represents the difference between the sum of the components of natural gas supply and the sum of the components of natural gas disposition. These differences may be due to quantities lost or to the effects of data reporting problems.

Reporting problems include differences due to the net result of conversions of flow data metered at varying temperatures and pressure bases and converted to a standard temperature and pressure base; the effect of variations in company accounting and billing practices; differences between billing cycles and calendar periods; and imbalances resulting from the merger of data reporting systems, which vary in scope, format, definitions, and type of respondents.

### *Annual Data*

Annual data are from the *Natural Gas Annual*. For an explanation of the methodology involved in calculating annual "balancing item" data, see the *Natural Gas Annual*.

### *Preliminary Monthly Data*

Preliminary monthly data in the "balancing item" category are calculated by subtracting dry gas production, withdrawals from storage, supplemental gaseous fuels, and imports from total supply / disposition.

## Note 10. Heating Degree-Days

Degree-days are relative measurements of outdoor air temperature. Heating degree-days are deviations of the mean daily temperature below 65 degrees Fahrenheit. A weather station recording a mean daily temperature of 40 degrees Fahrenheit would report 25 heating degree-days. There are several de-

gree-day data bases maintained by the National Oceanic and Atmospheric Administration. The information published in the Natural Gas Monthly is developed by the National Weather Service Climate Analysis Center, Camp Springs, Maryland.

The data are available weekly with monthly summaries and are based on mean daily temperatures recorded at about 200 major weather stations around the country. The temperature information recorded at these weather stations is used to calculate Statewide degree-day averages weighted by gas home customers. The State figures are then aggregated into Census Divisions and into the national average.

# Appendix B

# Data Sources

The data in this publication are taken from survey reports authorized by the U.S. Department of Energy (DOE), Energy Information Administration (EIA) and by the Federal Energy Regulatory Commission (FERC). The EIA is the independent statistical and analytical agency within the DOE. The FERC is an independent regulatory commission within the DOE which has jurisdiction primarily in the regulation of electric utilities and the interstate natural gas industry. The EIA conducts and processes some of the surveys authorized by the FERC. Data are collected from two annual surveys and five monthly surveys.

The annual report is the Form EIA-176, a mandatory survey of all companies that deliver natural gas to consumers or that transport gas across State lines.

The monthly reports include two surveys of the natural gas industry, two surveys of the electric utility industry, and a voluntary survey completed by energy or conservation agencies in the gas producing States. The natural gas industry survey is the Form EIA-191 filed by companies that operate underground storage facilities, and the Form EIA-857 is filed by a sample of companies that deliver natural gas to consumers. The electric utility industry surveys are the Form EIA-759 filed by all generating electric utilities and the Form FERC-423 filed by fossil fueled plants. Responses to these four monthly surveys are mandatory.

A description of the survey respondents, reporting requirements, and processing and editing of the data is given on the following pages for each of the surveys.

## Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"

### *Survey Design*

The original version of Form EIA-176 was approved in 1980 with a mandatory response requirement. Prior to 1980, published data were based on voluntary responses to Bureau of Mines, U.S. Department of the Interior predecessor Forms BOM-6-1340-A and BOM-6-1341-A of the same title.

In 1982, the scope of the revised EIA-176 survey was expanded to collect the number of electric utility consumers in each State, volumes of gas transported to industrial and electric utility consumers, detailed information on volumes transported across State borders by the respondent for others and for the responding company, and detailed information on other disposition. These changes were incorporated to provide more complete survey information with a minimal change in respondent burden. The 1982 version of the Form EIA-176 continues to be the basis for the current version of this form.

In 1988, the Form EIA-176 was revised to include data collection for deliveries of natural gas to commercial and industrial consumers for the account of others. A short version of Form EIA-176 was also approved in 1988. Companies engaged in purchase and delivery activities but not in transportation and storage activities may file the short form. Usually, these companies are municipals handling small volumes of gas. form was approved for use beginning with report year 1990.

In 1990, the Form EIA-176 was revised to include more detailed information for gas withdrawn from storage facilities, gas added to storage facilities, deliveries of company-owned natural gas and natural gas transported for the account of others. The revised form was approved for use beginning with report year 1990.

Upon the Office of Management and Budget's approval in 1993, the Form EIA-176 was again revised. All deliveries to consumers are now categorized as firm or interruptible. Commercial and industrial consumers are further categorized as nonutility power producers or as those excluding nonutility power producers.

Data reported on this form are no longer considered proprietary. Response to the form continues to be mandatory.

### *Survey Universe and Response Statistics*

The Form EIA-176 is mailed to all identified interstate and intrastate natural gas pipeline companies, investor and municipally owned natural gas distributors, underground natural gas storage operators, synthetic natural gas plant operators, and field, well, or processing plant operators that deliver natural gas directly to consumers (including their own industrial facilities) and / or that transport gas to, across, or from a State border through field or gathering facilities.

Each company and its parent company or subsidiaries were required to file if they met the survey specifications. The original mailing in 1999 for report year 1998 totaled 1,910 questionnaire packages. To this original mailing, 5 names were added and 32 were deleted as a result of the survey processing. Additions were the result of comparisons of the mailing list to other survey mailing lists. Deletions resulted from post office returns and determinations that companies were out of business, sold, or not within the scope of the survey. After all updates, the survey universe was 1,883 responses from approximately 1,800 companies.

Following the original mailing, second request mailing, and nonrespondents follow-up, 1,883 responses were entered into the data base, and there were 50 nonrespondents.

### *Summary of Form EIA-176 Data Reporting Requirements*

The EIA-176 is a multi-line schedule for reporting all supplies of natural gas and supplemental gaseous fuels and their disposition within the State indicated. Respondents file completed forms with EIA in Washington, DC. Data for the report year are due by April 1 of the following year. Extensions of the filing deadline for up to 45 days are granted to any respondent on request.

All natural gas and supplemental gaseous fuels volumes are reported on a physical custody basis in thousand cubic feet (Mcf), and dollar values are reported to the nearest whole dollar. All volumes are reported at 14.73 pounds per square inch absolute pressure (psia) and 60 degrees Fahrenheit.

### *Routine Form EIA-176 Edit Checks*

A series of manual and computerized edit checks are used to screen the Form EIA-176. The edits performed include validity, arithmetic, and analytical checks.

The incoming forms are reviewed prior to keying. This prescan determines if the respondent identification (ID) number and the company name and address are correct, if the data on the form appear complete and reasonable, and if the certifying information is complete.

Manual checks on the data are also made. Each form is prescanned to determine that data were reported on the correct lines. The flow of gas through interstate pipelines is checked at the company level to ensure that each delivery from a State is matched with a corresponding receipt in an adjoining State.

After the data are keyed, computer edit procedures are performed. Edit programs verify the report year, State code, and arithmetic totals. Further tests are made to ensure that all necessary data elements are present and that the data are reasonable and internally consistent. The computerized edit system produces error listings with messages for each failed edit test. When problems occur, respondents are contacted by telephone and required to file amended forms with corrected data.

### *Other EIA Publications Referencing Form EIA-176*

Data from Form EIA-176 are also published in the *Natural Gas Annual*.

## Form-627 and Form EIA-895

### *Survey Design*

Beginning with 1980 data, natural gas production data previously obtained on an informal basis from the appropriate State agencies were collected on the Form EIA-627, "Annual Quantity and Value of Natural Gas Report." This form was designed by the EIA to collect annual natural gas production data from the appropriate State agencies under a standard data reporting system within the limits imposed by the diversity of data collection systems of the various producing States. It was also designed to avoid duplication of the efforts involved in the collection of production and value data by producing States and to avoid an unnecessary respondent burden on gas and oil well operators. In 1993, value and associated volume of marketed production by month was added to the EIA-627. In 1996, the Form EIA-627 was discontinued. The information is collected on an annual schedule on the Form EIA-895.

In 1993, the Office of Management and Budget approved the Form EIA-627 for use in report years 1994 through 1996. In 1994, the IOGCC decided to discontinue collection of their form. Data collection on the Form EIA-895 began in January 1995. This form was designed to replace the Interstate Oil and Gas Compact Commission (IOGCC) form, "Monthly Report of Natural Gas Production." All gas producing States are requested to report on the Form EIA-895; a voluntary report. In 1996, an annual schedule was added to the voluntary Form EIA-895 to replace the Form EIA-627. Data are reported by State agencies. The form was designed to provide a standard reporting system, to the extent possible, for the natural gas data reported by the States. Data are not considered proprietary.

### *Survey Universe and Response Statistics*

Form EIA-895 is mailed to energy or conservation agencies in all 33 natural gas producing States. Allproducing States participate voluntarily in the EIA-895 survey by filing the completed form or by responding to telephone contacts. EIA-895 survey by filing the completed form or by responding to telephone contacts.

Reports on State production are due 20 days after the end of the report month. (In most cases, the data are not available to the States until after this time period.

Therefore, States are requested to send the report within 80 days after the end of the report month.) The annual schedule of the Form EIA-895 is due with the December data report.

Of the 33 natural gas producing states, 31 participated in the voluntary EIA-895 survey by filing the completed form or by responding to telephone contacts. Data for the 2 nonresponding States (Illinois and West Virginia) were estimated. Data on the quantities of nonhydrocarbon gases removed in 1998 were reported by the appropriate agencies of 22 of the 33 producing States. These 22 States accounted for 66 percent of total 1998 gross withdrawals. In addition, the gross withdrawal data from Kansas, Louisiana, Montana, and Oklahoma, which together accounted for 39 percent of total production, excluded all or most of the nonhydrocarbon gases removed on leases. The State of Missouri reported zero gross withdrawals.

The commercial recovery of methane from coalbeds contribute a significant amount to the production totals in a number of States. Coalbed methane seams production quantities (in million cubic feet) are included in gross withdrawals totals for the following States: Alabama (116,946), Colorado (387,376), and New Mexico (608,000).

### *Summary of Data Reporting Requirements*

The Form EIA-895 is a two-page form divided into five parts. Part I requests identifying information including the name and location of the responding State agency and the name and telephone number of a contact person within the agency. Part II collects monthly data on the production of natural gas including gross withdrawals from both gas and oil wells; volumes returned to formation for repressuring, pressure maintenance, and cycling; quantities vented and flared; quantities of nonhydrocarbon gases removed; quantities of fuel used on lease; and marketed production. Part III of the form is for reporting the monthly volume and value of marketed production. Part IV of the form is the annual schedule which collects data on the

number of producing gas wells, the production of natural gas including gross withdrawals from both gas and oil wells; volumes returned to formation for repressuring, pressure maintenance, and cycling; quantities vented and flared; quantities of nonhydrocarbon gases removed; quantities of fuel used on lease; marketed production; the value of marketed production; and quantity of marketed production (value based). Part V is space to be used by the respondent to explain data elements reported that may be based on definitions differing from those applied to data in previous years.

Respondents are asked to report all volumes in thousand cubic feet at the State's standard pressure base and at 60 degrees Fahrenheit. All dollar values are reported in thousands.

### *Routine Form EIA-895 Edit Checks*

Each filing of Form EIA-895 is manually checked for reasonableness and mathematical accuracy. Information on the forms is compared to totals of monthly data reported. Volumes are converted, as necessary, to a standard 14.73 psia pressure base. Reasonableness of data is assessed by comparing reported data to the previous year's data. State agencies are contacted by telephone to correct errors. Amended filings or resubmissions are not a requirement, since participation in the survey is voluntary.

### *Other EIA Publications Referencing Form EIA-895*

Data from Form EIA-895 are also published in the EIA publication, *Natural Gas Annual*.

## EIA-191 Survey, "Underground Natural Gas Storage Report"

### *Survey Design*

The Form EIA-191, "Underground Natural Gas Storage Report," was revised effective January 1994. Among the changes from the form used from 1991 through 1993 is a distinction between a monthly and annual survey. Prior to 1991, data on the storage of natural gas were collected on a survey jointly implemented in 1975 by the Federal Power Commission (FPC), the Federal Energy Administration (FEA), and the Bureau of Mines (BOM) as the FPC-8 / FEA-G-318 system. The data received on both the FPC-8 and FEA-G-318 were computerized and aggregated by FPC. The form was previously revised in 1991 to include storage data by State, field, and reservoir.

At the beginning of 1979, the EIA assumed responsibility for the collection, processing, and publication of the data gathered in the survey. Form FEA-G-318 was renewed on July 1, 1979, as Form EIA-191 and the survey was retitled the FPC-8 / EIA-191 Survey (Figure D4 shows the EIA-191). Form FPC-8 was renewed in December 1985 and the survey retitled FERC-8 / EIA-191 Survey. The forms were not merged because of FERC's stated desire to maintain the separate identity of the FERC-8 for administrative reasons. In September 1995, the FERC discontinued the reporting requirements of Form FERC-8. FERC jurisdictional firms will continue to file Form EIA-191.

### *Survey Universe and Response Statistics*

The 114 companies that operate underground facilities will file the Form EIA-191. Of these companies, 42 are subject to the jurisdiction of FERC and are required to report data on Form EIA-191.

The response rate as of the filing deadline is approximately 20 percent. Data from the remaining 80 percent of respondents are received in writing and / or by telephone within 3 to 4 days after the filing deadline. All data supplied by telephone are subsequently filed in writing, generally within 15 days of the filing deadline. The final response rate is 100 percent.

### *Summary of EIA-191 Data Reporting Requirements*

The EIA-191 monthly schedule contains current month and prior month's data on the total quantities of gas in storage, injections and withdrawals, the location (including State and county, field, reservoir) and peak day withdrawals during the reporting period. Prior month's data are required only when data are revised. Information on co-owners of storage fields has been eliminated. The annual schedule contains type of facility, storage field capacity, maximum deliverability and pipelines to which each field is connected. The annual schedule is filed with the January submission.

Collection of the survey is on a custody basis. Information requested must be provided within 20 days after the first day of each month. Twelve reports are required per calendar year. Respondents are required to indicate whether the data reported are actual or estimated. For most of the estimated filings, the actual data or necessary revisions are reflected in the prior month section of the monthly form. Actual data on natural gas injections and withdrawals from underground storage are based on metered quantities. Data on quantities of gas in storage and on storage capacity represent, in part, reservoir engineering evaluations. All volumes are reported at 14.73 psia and 60 degrees Fahrenheit.

### *Routine Form EIA-191 Edit Checks*

Data received on Form EIA-191 are entered into the survey processing system. The survey's five principal data elements (total, base, working gas in storage, injections, and withdrawals) receive a preliminary visual edit to eliminate and correct obvious errors or omissions. Respondents are required to re-file reports containing any inconsistencies or errors.

### *Other EIA Publications Referencing Form EIA-191*

The EIA publication *Monthly Energy Review* and *Winter Fuels Report* contain data from the EIA-191 survey.

## "Quarterly Natural Gas Import and Export Sales and Price Report"

### *Survey Design*

The collection of data covering natural gas imports and exports was begun in 1973 by the Federal Power Commission (FPC). On October 1977, FPC ceased to exist and its data collection functions were transferred to the Federal Energy Regulatory Commission (FERC) within the Department of Energy (DOE). From 1979 to 1994, the Energy Information Administration (EIA) has had the responsibility for collecting Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas." Data are not considered proprietary. The Form FPC-14 was discontinued in 1995.

Beginning in 1995, import and export data are taken from the "Quarterly Natural Gas Import and Export Sales and Price Report." This report is prepared by the Office of Fossil Energy, U.S. Department of Energy, based on information submitted by all firms having authorization to import or export natural gas.

### *Survey Universe and Response Statistics*

All companies are required, as a condition of their authorizations to import or export natural gas, to file quarterly reports with the Office of Fossil Energy. These data are collected as part of its regulatory responsibilities. The data are reported at a monthly level of detail. Data reported on the Form FPC-14 represented physical movements of natural gas. Data collected by the Office of Fossil Energy are reported on an equity (sales) basis. For 1994 and earlier years, comparisons of the data from the two sources may show differences because reporting requirements were different. Prior to 1995, the Form FPC-14 was filed annual by each organization or individual having authority to import and export natural gas regardless of whether any activity took place during the reporting year. Authorizations to import and export were originally granted by the FPC. In 1977, the authority to grant authorizations transferred to the Economic Regulatory Administration (ERA). It now resides with the Office of Fossil Energy, U.S. Department of Energy.

### *Routine Edit Checks*

Respondents are required to certify the accuracy of all data reported. The data are checked for reasonableness and accuracy. If errors are found, the companies are required to file corrected data. The data are compared with data reported by the National Energy Board of Canada and are published quarterly. All natural gas volumes in this report are expressed at a pressure base of 14.73 pounds per square inch absolute and temperature of 60 degrees Fahrenheit, except as noted. All import and export prices are in U.S. dollars and, except for LNG exports, are those paid at the U.S. border. LNG export prices are those paid at the point of sale and delivery in Yokohama, Japan.

## Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"

### *Survey Design*

The original Form EIA-857 was approved for use in December 1984. Response to the Form EIA-857 is mandatory on a monthly basis. Data collected on the Form EIA-857 cover the 50 States and the District of Columbia and include both price and volume data. Data are considered proprietary.

### *Survey Universe and Response Statistics*

A sample of approximately 400 natural gas companies, including interstate pipelines, intrastate pipelines, and local distribution companies, report to the survey. The sample was selected independently for each of the 50 States and the District of Columbia from a frame consisting of all respondents to Form EIA-176 who reported deliveries of natural gas to consumers in the residential, commercial, or industrial sectors. Each selected company is required to complete and file the Form EIA-857 on a monthly basis. Initial response statistics on a monthly basis are as follows: responses received by due date, approximately 50 percent, and responses received after follow-up, 100 percent. Virtually all are received in time for incorporation in the current month's processing cycle. When a response is extremely late, and the company represents less than 25 percent of the natural gas volumes delivered by all sampled companies in the State, values are imputed as described in Appendix C. When the company's submission is eventually received, the submitted data are used for future processing and revisions.

The Form EIA-857 is a monthly sample survey of firms delivering natural gas to consumers. It provides data that are used to estimate monthly sales of natural gas (volume and price) by State and monthly deliveries of natural gas on behalf of others (volume) by State to three consumer sectors - residential, commercial, and industrial. (Monthly deliveries and prices of natural gas to electric utilities are reported on the Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants," and the Form EIA-759, "Monthly Power Plant Report.") See Appendix C for a discussion of the sample design and estimation procedures.

## Summary of Form EIA-857 Data Reporting Requirements

Data collected monthly on the Form EIA-857 on a State level include the volume and cost of purchased gas, the volume and cost of natural gas consumed by sector (residential, commercial, and industrial), and the average heat content of all gas consumed. Respondents file completed forms with EIA in Washington, DC on or before the 30th day after the end of the report month.

All natural gas volumes are reported in thousand cubic feet at 14.73 psia at 60 degrees Fahrenheit and dollar values are reported to the nearest whole dollar.

### *Routine Form EIA-857 Edit Checks*

A series of manual and computerized edit checks are used to screen the Form EIA-857. The edits performed include validity and analytical checks.

# Appendix C

# Statistical Considerations

The monthly sales (volume and price) and monthly deliveries (volume) of natural gas to residential, commercial and industrial consumers presented in this report by State are estimated from data reported on the Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers." (See Appendix B for a description of this Form.) These estimations must be made from the reported data since the Form EIA-857 is a sample survey. A description of the sample design and the estimation procedures is given below.

## Sample Design

The Form EIA-857 is a monthly sample survey of companies delivering natural gas to consumers. It includes inter- and intrastate companies, and producers, as well as local distribution companies. The survey provides data that are used each month to estimate the volume of natural gas delivered and the price for onsystem sales of natural gas by State to three consumer sectors—residential, commercial, and industrial. Monthly deliveries and prices of natural gas to electric utilities are reported on the Form EIA-759, "Monthly Power Plant Report," and the Form FERC-423, "Monthly Report of Costs and Quality of Fuels for Electric Plants."

**Sample Universe.** The sample currently in use was selected from a universe of 1,538 companies. These companies were respondents to the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition," for reporting year 1995 who reported sales or deliveries to consumers in the residential, commercial or industrial sectors. (See Appendix B for a description of the Form EIA-176.)

**Sampling Plan.** The goal was a sample that would provide estimates of monthly natural gas consumption by the three consuming sectors within each State and the District of Columbia. A stratified sample using a single stage and systematic selection with probability proportional to size was designed. The measure of size was the volume of natural gas physically delivered in the State to the three consuming sectors by the company in 1995. There were two strata—companies selected with certainty and companies selected under the systematic probability proportional to size design.

Initial calculations showed that a 25 percent sample of companies would yield reasonably accurate estimates. The sample was selected independently in each State, resulting in a national total of 387 respondent companies. Unlike previous years, no mergers or acquisitions were uncovered as a result of the initial mail-out. Therefore there was no need for either substitution of respondent companies or a reduction in the total number of respondents.

**Certainty Stratum.** Since estimates were needed for each of the 50 States and the District of Columbia, the strata were established independently within each State. In 16 States and the District of Columbia where sampling was not feasible due to small numbers of companies and/or small volumes of gas deliveries, all companies were selected. The 16 States were: Alaska, Connecticut, Delaware, Hawaii, Idaho, Maine, North Dakota, New Hampshire, New Jersey, Nevada, Oregon, Rhode Island, South Dakota, Utah, Vermont, and Washington.

For each of the remaining States, the total volumes of industrial sales and deliveries and of the combined residential/commercial sales and deliveries were determined. Companies with natural gas deliveries to the industrial sector or to the combined residential/commercial sector above a certain level were selected with certainty. Since a few large companies often account for most of the natural gas delivered within a State, this ensures those companies' inclusion in the sample. The formula for determining certainty was applied independently in the two consumer sectors—the industrial

and the combined residential / commercial. These selected companies, together with the companies in the jurisdictions discussed where sampling was not feasible, formed the certainty stratum.

All companies with natural gas deliveries in sector j greater than the cut-off value ($C_{.j}$) were included in the certainty stratum. The formula for $C_{.j}$ was:

$$C_{.j} \quad \frac{X_{.j}}{2n} \qquad (1)$$

where:

$C_{.j}$ = cutoff value for consumer sector j,

$n$ = target sample size to be selected for the State, 25 percent of the companies in the State,

$X_{ij}$ = the annual volume of natural gas deliveries by company i to customers in consumer sector j,

$X_{i.}$ = the sum within State of annual gas volumes for company i,

$X_{.j}$ = the sum within State of annual gas volumes in consumer sector j,

$X..$ = the sum within State of annual gas volumes in all consumer sectors.

**Noncertainty Stratum.** All other companies formed the noncertainty stratum. They were systematically sampled with probability proportional to size. The measure of size for each company was the total volume of gas sales to all consumer sectors ($X_{i.}$). The number of companies to be selected from the noncertainty stratum was calculated for each State, with a minimum of 2.

The formula for selecting the number of noncertainty stratum companies was:

$$m \quad n\frac{X2}{X..} \qquad (2)$$

where:

$m$ = the sample size for the noncertainty stratum within a State,

X2 = the sum within State of the Xi. for all companies in the noncertainty stratum.

Companies were listed in ascending order according to their measure of size and then a cumulative measure of size in the stratum was calculated for each company. The cumulative measure of size was the sum of the measures of size for that company and all preceding companies on the list. An interval of width I for selecting the companies systematically was calculated using.

A uniform random number R was selected between zero and $I \quad \frac{X2}{m}$ I. The first sampled company was the first company on the list to have a cumulative measure of size greater than R. The second company selected was the first company on the list to have a cumulative measure of size greater than R + I. R + I was increased again by I to determine the third company to be selected. This procedure was repeated until the entire sample was drawn.

**Subgroups.** In eight States, the noncertainty stratum was divided into subgroups to ensure that gas in each consumer sector could be estimated. The systematic sample with probability proportional to size design described above was applied independently in each subgroup. The methods for determining the subgroup sample size and calculating the subgroup interval for sample selection were the same as the methods described above for the noncertainty stratum, except that X2 was the sum within State of the $X_{i.}$ for only those companies in the subgroup.

These subgroups were defined only for the purpose of sample selection. They are:

California: companies handling only industrial gas and all other companies.

Iowa: companies handling industrial gas and companies delivering only to residential or commercial customers.

Louisiana: companies handling only industrial gas and all other companies, with the latter being further subdivided according to size. The larger group is comprised of all companies with total deliveries of at least 200 million cubic feet while the smaller group consists of companies with less than that volume of delivered gas (three subgroups).

Oklahoma: Companies delivering less than 500 million cubic feet of gas and those delivering more than that volume.

Texas: companies handling only residential/commercial gas, companies handling only industrial gas, and all other companies (three subgroups).

## Estimation Procedures

**Estimates of Volumes**. A ratio estimator is applied to the volumes reported in each State by the sampled companies to estimate the total gas sales and deliveries for the State. Ratio estimators are calculated for each consumer sector—residential, commercial, and industrial—in each State where companies are sampled. The following annual data are taken from the most recent 1995 submissions of Form EIA-176:

The formula for calculating the ratio estimator ($E_{vj}$) for the volume of gas in consumer sector j is:

$$E_{vj} \quad \frac{Y_{.j}}{Y_{.j}} \qquad (3)$$

where:

$Y_{.j}$ = the sum within State of annual gas volumes in consumer sector j for all companies,

$Y'_{.j}$ = the sum within State of annual gas volumes in consumer sector j for those companies in the sample.

The ratio estimator is applied as follows:

$$V_{.j} \quad y_{.j} \quad E_{vj} \qquad (4)$$

where:

$V_{.j}$ = the State estimate of monthly gas volumes in consumer sector *j*,

$y_{.j}$ = the sum within State of reported monthly gas volumes in consumer sector *j*.

**Computation of Natural Gas Prices**. The natural gas volumes that are included in the computation of prices represent only those volumes associated with natural gas sales.

The price of natural gas for a State within a sector is calculated as follows:

$$P_j \quad \frac{R_j}{V_j}$$

where:

$P_j$ = the average price for gas sales within the State in consumer sector j,

$R_j$ = the reported revenue from natural gas sales within the State in consumer sector j,

$V_j$ = the reported volume of natural gas sales within the State in consumer sector j.

All average prices are weighted by their corresponding sales volume estimates when national average prices are computed.

The monthly average prices of natural gas are based on sales data only. Volumes of gas delivered for the account of others to these consumer sectors are not included in the State or national average prices.

Table 25 shows the percent of the total State volume that represents volumes from natural gas sales to the commercial and industrial sectors. This table may be helpful in evaluating commercial and industrial price data. Virtually all natural gas deliveries to the residential sector represent onsystem sales volumes only.

See the section on consumer price calculations in this Appendix for further price information.

**Estimation for Nonrespondents**. A volume for each consumer category is imputed for companies that fail to respond. The imputation is based on the previous month's value reported by the non-responding company and the change from the previous month to the current month in volumes reported by other companies in the State. The imputed volumes are included in the State totals. To estimate prices for non-respondents, the unit price (dollars per thousand cubic feet) reported by the company in the previous month is used.

The formula for imputing volumes of gas sales for nonrespondents was:

$$F_t \quad F_t \quad 1 \quad \frac{y_{.jt}}{y_{.jt\ 1}} \qquad (5)$$

where:

$F_t$ = imputed gas volume for current month t,

$F_{t-1}$ = gas volume for the company for the previous month,

$y_{.jt}$ = gas volume reported by companies in the State stratum for report month t,

$y_{.j\,t-1}$ = gas volume in the previous month for companies in the State stratum that reported in month t.

## Final Revisions

**Adjusting Monthly Data to Annual Data.** After the annual data reported on the Form EIA-176 have been submitted, edited, and prepared for publication in the *Natural Gas Annual*, revisions are made to monthly data. The revisions are made to the volumes and prices of natural gas delivered to consumers that have appeared in the *Natural Gas Monthly* to match them to the annual values appearing in the *Natural Gas Annual*. The revised monthly estimates allocate the difference between the sum of monthly estimates and the annual reports according to the distribution of the estimated values across the months.

Before the final revisions are made, changes or additions to submitted data received after publication of the monthly estimate and not sufficiently large to require a revision to be published in the *Natural Gas Monthly*, are used to derive an updated estimate of monthly consumption and revenues for each State's residential, commercial, or industrial natural gas consumption.

For each State, two numbers are revised, the estimated consumption and the estimated price per thousand cubic feet.

The formula for revising the estimated consumption is:

$$V_{jm} \quad V_{jm} \quad (V_{ja} \quad V_{jm})(\frac{V_{jm}}{V_{jm}}) \qquad (6)$$

where:

$V^*_{jm}$ = the final volume estimate for month m in consumer sector j,

$V_{jm}$ = the estimated volume for month m in consumer sector j,

$V_{ja}$ = the volume for the year reported on Form EIA-176,

$V'_{jm}$ = The annual sum of estimated monthly volumes.

The price is calculated as described above in the Estimation Procedures section, using the final revised consumption estimate and a revised revenue estimate.

The formula for revising the estimated revenue is:

$$R_{jm} \quad R_{jm} \quad (R_{ja} \quad R_{jm})(\frac{R_{jm}}{R_{jm}}) \qquad (7)$$

where:

$R^*_{jm}$= the final revenue estimate for month m in consumer sector j,

$R_{jm}$= the estimated revenue for month m in consumer sector j,

$R_{ja}$= the revenue for the year reported on Form EIA-176,

$R'_{jm}$ = The annual sum of estimated monthly revenues. Revision of Volumes and Prices for Deliveries to Electric Utilities. Revisions to monthly electric utilities data are published throughout the year as they become available.

### Reliability of Monthly Data

The monthly data published in this report are subject to two sources of error - nonsampling error and sampling error. Nonsampling errors occur in the collection and processing of the data. See the discussion of the Form EIA-857 in Appendix B for a description of nonsampling errors for monthly data.

Sampling error may be defined as the difference between the results obtained from a sample and the results that a complete enumeration would provide. The standard error statistic is a measurement of sampling error.

**Standard Errors**. A standard error of an estimate is a statistical measure that indicates how the estimate from the sample compares to the result from a complete enumeration. Standard errors are calculated based on statistical theory that refers to all possible samples of the same size and design.

The standard errors for monthly natural gas volume estimates by State are given in Table C1. Ninety-five percent of the time, the volume that would have been obtained from a complete enumeration will lie in the range between the estimated volume minus two

standard errors and the estimated volume plus two standard errors.

The standard error of the natural gas volume estimate is the square root of the variance of the estimate. The formula for calculating the variance of the volume estimate is:

$$V(Y) \quad \sum_{h=1}^{H} N_h^2 \frac{\left(1 - \frac{n_h}{N_h}\right)}{n_h(n_h - 1)} \sum_{i=1} (y_i - Tx_i)^2 \qquad (8)$$

where:

$H$ = the total number of strata

$N_h$= the total number of companies in stratum h

$n_h$= the sample size in stratum h

$y_i$= the reported monthly volume for company i

$x_i$= the reported annual volume for company i

$T$ = the ratio of the sum of the reported monthly volumes for sample companies to the sum of the reported annual volumes for the sample companies.

# Appendix D

## Articles, Special Focuses and Special Reports

**A variety of energy-related subjects are frequently included in this publication. The following articles have appeared in previous issues.**

### Feature Articles

*Natural Gas 1998: Issues and Trends - Executive Summary* ..... **April 1999**

*Revisions to Monthly Natural Gas Data* ..... **July 1998**

*EIA Corrects Errors in EIA's Drilling Activity Estimates Series* ..... **March 1998**

*Recent Trends in Natural Gas Spot Prices* ..... **December 1997**

*Natural Gas Residential Pricing Developments During the 1996-97 Winter* ..... **August 1997**

*Revisions to Monthly Natural Gas Data* ..... **July 1997**

*Intricate Puzzle of Oil and Gas Reserves Growth"* ..... **July 1997**

*Restructuring Energy Industries: Lessons from Natural Gas* ..... **May 1997**

### Special Focuses

*Corporate Realignments and Investments in the Interstate Natural Gas Transmission System* ..... **October 1999**

*Deliverability on the Interstate Natural Gas Pipeline System* ..... **May 1998**

*Advance Summary: U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, 1996 Annual Report - Advance Summary* ..... **September 1997**

*Worldwide Natural Gas Supply and Demand and the Outlook for Global LNG Trade* ..... **August 1997**

*Outlook for Natural Gas Through 2015* ..... **January 1997**

*Natural Gas Productive Capacity* ..... **January 1997**

### Special Reports

*Next Generation * Natural Gas $(NG)^2$ Information Requirements — Executive Summary* ..... **February 2000**

*Increasing Importance of Natural Gas Imports on the U.S. Marketplace* ..... **February 2000**

# Appendix D

*Natural Gas Winter Outlook 1999-2000* ..... **October 1999**

*U.S. Natural Gas Imports and Exports - 1998* ..... **August 1999**

*Retail Unbundling* ..... **July 1999**

*Natural Gas 1998: A Preliminary Summary* ..... **April 1999**

*U.S. Natural Gas Imports and Exports - 1977* ..... **August 1998**

*Revisions to Monthly Natural Gas Data* ..... **July 1998**

*Natural Gas 1997: A Preliminary Summary* ..... **April 1998**

*Comparison of Natural Gas Storage Estimates from the EIA and AGA* ..... **October 1997**

*U.S. Underground Storage of Natural Gas in 1997: Existing and Proposed* ..... **September 1997**

*U.S. Natural Gas Imports and Exports - 1996* ..... **August 1997**

*Revisions to Monthly Natural Gas Data* ..... **July 1997**

*Natural Gas 1996: Highlights* ..... **April 1997**

*Natural Gas Pipeline and System Expansions* ..... **April 1997**

*Natural Gas Analysis and Geographic Information Systems* ..... **March 1997**

# Table C-1. Standard Error for Natural Gas Deliveries and Price to Consumers by State, January 2000

| State | Volume Million Cubic Feet | | | | Price Dollars per Thousand Cubic Feet | | |
|---|---|---|---|---|---|---|---|
| | Residential | Commercial | Industrial | Total | Residential | Commercial | Industrial |
| Alabama | 350 | 136 | 929 | 1,002 | 0.47 | 1.29 | 2.75 |
| Alaska | 0 | 0 | 0 | 0 | — | — | — |
| Arizona | 0 | 0 | 0 | 0 | — | — | — |
| Arkansas | NA | NA | 37 | NA | NA | NA | 0.20 |
| California | 873 | 165 | 1,123 | 1,432 | 0.08 | 0.09 | 0.80 |
| Colorado | NA | NA | NA | NA | NA | NA | NA |
| Connecticut | 0 | 0 | 0 | 0 | — | — | — |
| Delaware | 0 | 0 | 0 | 0 | — | — | — |
| District of Columbia | 0 | 0 | 0 | 0 | — | — | — |
| Florida | NA | NA | 1,709 | NA | NA | NA | 0.68 |
| Georgia | NA | NA | NA | NA | NA | NA | NA |
| Hawaii | 0 | 0 | 0 | 0 | — | — | — |
| Idaho | 0 | 0 | 0 | 0 | — | — | — |
| Illinois | 597 | 1,742 | 5,563 | 5,860 | 0.23 | 0.52 | 0.15 |
| Indiana | NA | NA | NA | NA | NA | NA | NA |
| Iowa | 28 | 115 | 143 | 186 | 0.01 | 0.09 | 0.09 |
| Kansas | 5,905 | 6,716 | 1,255 | 9,031 | 0.08 | 2.11 | 2.46 |
| Kentucky | 404 | 327 | 401 | 656 | 0.22 | 0.14 | 0.03 |
| Louisiana | 45 | 205 | 3,450 | 3,456 | 0.08 | 0.30 | 0.06 |
| Maine | 0 | 0 | 0 | 0 | — | — | — |
| Maryland | 79 | 65 | 14 | 104 | 0.01 | 0.02 | NA |
| Massachusetts | NA | NA | NA | NA | NA | NA | NA |
| Michigan | 58 | 127 | 2,224 | 2,228 | 0.06 | 0.06 | 0.12 |
| Minnesota | NA | NA | NA | NA | NA | NA | NA |
| Mississippi | 251 | 44 | 915 | 950 | 0.10 | 0.14 | 0.47 |
| Missouri | 560 | 892 | 1,547 | 1,871 | 0.17 | 0.19 | 3.10 |
| Montana | 10 | 7 | 0 | 12 | 0.01 | — | — |
| Nebraska | 129 | 108 | 444 | 475 | 0.21 | 0.26 | 1.87 |
| Nevada | NA | NA | 0 | NA | NA | NA | — |
| New Hampshire | 0 | 0 | 0 | 0 | — | — | — |
| New Jersey | 0 | 0 | 0 | 0 | — | — | — |
| New Mexico | 1,155 | 670 | 18,302 | 18,351 | 0.96 | 0.77 | 11.81 |
| New York | NA | NA | 2,606 | 3,683 | NA | NA | 0.32 |
| North Carolina | 30 | 809 | 1,035 | 1,314 | 0.03 | 0.46 | 0.71 |
| North Dakota | NA | NA | 0 | NA | NA | NA | — |
| Ohio | 1,113 | 10,155 | 11,518 | 15,396 | 0.59 | 0.16 | 0.30 |
| Oklahoma | 252 | 3,132 | 2,391 | 3,948 | 0.28 | NA | 4.36 |
| Oregon | 0 | 0 | 0 | 0 | — | — | — |
| Pennsylvania | 0 | 0 | 0 | 0 | — | — | — |
| Rhode Island | 0 | 0 | 0 | 0 | — | — | — |
| South Carolina | 107 | 24 | 830 | 838 | 0.13 | 0.10 | 0.05 |
| South Dakota | 0 | 0 | 0 | 0 | — | — | — |
| Tennessee | 1,870 | 899 | 688 | 2,186 | 0.10 | NA | 0.60 |
| Texas | 4,158 | 10,373 | 6,012 | 12,689 | 0.26 | 1.10 | NA |
| Utah | 0 | 0 | 0 | 0 | — | — | — |
| Vermont | 0 | 0 | 0 | 0 | — | — | — |
| Virginia | 622 | 395 | 550 | 920 | 0.23 | 0.21 | 0.30 |
| Washington | NA | NA | NA | NA | NA | NA | NA |
| West Virginia | 323 | 971 | 1,617 | 1,914 | 0.36 | 1.16 | 1.26 |
| Wisconsin | 1,254 | 1,384 | 2,385 | 3,029 | 0.19 | 0.20 | 0.55 |
| Wyoming | 29 | 66 | NA | NA | 0.12 | 0.20 | NA |
| **Total** | **150,048** | **312,350** | **28,229** | **347,669** | **0.19** | **0.89** | **0.28** |

NA Not Available.
— Not Applicable.

**Source:** Energy Information Administration, Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

# Appendix E

# Technical Contacts

| Section | Tables | | Principal Data Sources | Technical Contact |
|---|---|---|---|---|
| Summary Statistics:<br>Natural Gas Production | 1,2,3 | Monthly:<br>Annual: | EIA-895, "Monthly Quantity of Natural Gas Report" | Sharon Belcher<br>(202)586-6119 |
| | | Monthly: | Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers" | Roy Kass<br>(202)586-4790 |
| Extraction Loss | 1 | Monthly:<br>Annual: | EIA computations<br>Form EIA-816, "Monthly Natural Gas Liquids Report" and Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production" | Margo Natof<br>(202)586-6303 |
| Supplemental Gaseous Fuels | 2 | Monthly:<br>Annual: | EIA computations<br>Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition" | Margo Natof<br>(202)586-6303 |
| Imports and Exports | 2 | Monthly:<br>Annual: | EIA computations<br>Office of Fossil Energy, U.S. Department of Energy, "Natural Gas Import and Exports" | Ann Ducca<br>(202)586-6137 |
| Price:<br>City Gate, Residential, Commercial, and Industrial | 4 | Monthly: | Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers" | Roy Kass<br>(202)586-4790 |
| Wellhead | 4 | Monthly:<br>Annual: | EIA computations<br>Form EIA-895, "Monthly Quantity and Value of Natural Gas Report" | Sylvia Norris<br>(202)586-6106 |
| Electric Utility | 4 | Monthly: | Form FPC-423, "Cost and Quality of Fuels for Electric Power Plants" | Roy Kass<br>(202)586-4790 |
| Summary of Natural Gas Imports and Exports | 5,6 | Monthly: | Quarterly Natural Gas Import and Export Sales and Price Report | Ann Ducca<br>(202)586-6137 |
| Producer Related Activities:<br>Natural Gas Production | 7,8 | Monthly: | EIA-895, "Monthly Quantity of Natural Gas Report" | Sharon Belcher<br>(202)586-6119 |
| Underground Storage: | 9,10,11,<br>12,13,14 | Monthly: | Forms FERC-8 and EIA-191, "Underground Gas Storage Report" | Carol Jones<br>(202) 586-6168 |
| Distribution and Consumption:<br>Deliveries to:<br>Residential,<br>Commercial,<br>Industrial,<br>Electric Utility,<br>All Consumers | <br><br>15<br>16<br>17<br>18<br>19 | <br><br>Monthly: | <br><br>Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"<br>Form FERC-423, "Cost and Quality of Fuels for Electric Power Plants" | <br><br>Roy Kass<br>(202)586-4790 |
| Average Price to:<br>City Gate,<br>Residential,<br>Commercial,<br>Industrial,<br>Electric Utility<br>Onsystem Sales | <br>20<br>21<br>22<br>23<br>24<br><br>25 | <br>Monthly:<br><br><br><br><br><br>Monthly: | <br>Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"<br>Form FERC-423, "Cost and Quality of Fuels for Electric Power Plants"<br><br>Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers" | <br>Roy Kass<br>(202)586-4790<br><br><br><br><br><br>Roy Kass<br>(202)586-4790 |
| Heating Degree Days | 26 | Seasonal: | National Oceanic and Atmospheric Administration | Patricia Wells<br>(202)586-6077 |
| Highlights | | | | Mary Carlson<br>(202)586-4749 |

# Glossary

**Balancing Item:** Represents the difference between the sum of the components of natural gas supply and the sum of the components of natural gas disposition. These differences may be due to quantities lost or to the effects of data reporting problems. Reporting problems include differences due to the net result of conversions of flow data metered at varying temperature and pressure bases and converted to a standard temperature and pressure base; the effect of variations in company accounting and billing practices; differences between billing cycle and calendar period time frames; and imbalances resulting from the merger of data reporting systems which vary in scope, format, definitions, and type of respondents.

**Base (Cushion) Gas:** The volume of gas needed as a permanent inventory to maintain adequate underground storage reservoir pressures and deliverability rates throughout the withdrawal season. All native gas is included in the base gas volume.

**British Thermal Unit (Btu):** The heat required to raise the temperature of one pound of water by one degree Fahrenheit at or near 39.2 degrees Fahrenheit.

**City-gate:** A point or measuring station at which a gas distribution company receives gas from a pipeline company or transmission system.

**Commercial Consumption:** Gas used by nonmanufacturing establishments or agencies primarily engaged in the sale of goods or services such as hotels, restaurants, wholesale and retail stores and other service enterprises; and gas used by local, State and Federal agencies engaged in nonmanufacturing activities.

**Depletion:** The loss in service value incurred in connection with the exhaustion of the natural gas reserves in the course of service.

**Depreciation**: The loss in service value not restored by current maintenance, incurred in connection with the consumption or respective retirement of a gas plant in the course of service from causes that are known to be in current operation and against which the utility is not protected by insurance; for example, wear and tear, decay, obsolescence, changes in demand and requirements of public authorities, and the exhaustion of natural resources.

**Dry Natural Gas Production:** Marketed production less extraction loss.

**Electric Utility:** An enterprise that is engaged in the generation, transmission, or distribution of electric energy primarily for use by the public and that is the major power supplier within a designated service area. Electric utilities include investor-owned, publicly-owned, cooperatively-owned, and government-owned (municipals, Federal agencies, State projects, and public power districts) systems.

**Electric Utility Consumption:** Gas used as fuel in electric utility plants.

**Exports:** Natural gas deliveries out of the continental United States and Alaska to foreign countries.

**Extraction Loss**: The reduction in volume of natural gas resulting from the removal of natural gas liquid constituents at natural gas processing plants.

**Flared**: The volume of gas burned in flares on the base site or at gas processing plants.

**Gas Condensate Well:** A gas well that produces from a gas reservoir containing considerable quantities of liquid hydrocarbons in the pentane and heavier range generally described as "condensate."

**Gas Well:** A well completed for the production of natural gas from one or more gas zones or reservoirs.

**Gross Withdrawals:** Full well stream volume, including all natural gas plant liquid and nonhydrocarbon gases, but excluding lease condensate. Also includes amounts delivered as royalty payments or consumed in field operations.

**Heating Value:** The average number of British thermal units per cubic foot of natural gas as determined from tests of fuel samples.

**Imports:** Natural gas received in the Continental United States (including Alaska) from a foreign country.

**Independent Producers:** Any person who is engaged in the production or gathering of natural gas and who sells natural gas in interstate commerce for resale but who is not engaged in the transportation of natural gas (other than gathering) by pipeline in interstate commerce.

**Industrial Consumption:** Natural gas used for heat, power, or chemical feedstock by manufacturing establishments or those engaged in mining or other mineral extraction as well as consumers in agriculture, forestry, and fisheries. Also included in industrial consumption are natural gas volumes used in the generation of electricity by other than regulated electric utilities.

**Interstate Companies:** Natural gas pipeline companies subject to FERC jurisdiction.

**Intransit Deliveries:** Redeliveries to a foreign country of foreign gas received for transportation across U.S. territory and deliveries of U.S. gas to a foreign country for transportation across its territory and redelivery to the United States.

**Intransit Receipts:** Receipts of foreign gas for transportation across U.S. Territory and redelivery to a foreign country and redeliveries to the United States of U.S. gas transported across foreign territory.

**Intrastate Companies:** Companies not subject to FERC jurisdiction.

**Lease and Plant Fuel:** Natural gas used in well, field, lease operations and as fuel in natural gas processing plants.

**Liquefied Natural Gas (LNG):** Natural gas that has been liquefied by reducing its temperature to minus 260 degrees Fahrenheit at atmospheric pressure.

**Marketed Production:** Gross withdrawals less gas used for repressuring, quantities vented and flared, and nonhydrocarbon gases removed in treating or processing operations. Includes all quantities of gas used in field and processing operations. See Explanatory Note 1 for discussion of coverage of data concerning nonhydrocarbon gases removed.

**Native Gas:** Gas in place at the time that a reservoir was converted to use as an underground storage reservoir as in contrast to injected gas volumes.

**Natural Gas:** A mixture of hydrocarbon compounds and small quantities of various nonhydrocarbons existing in the gaseous phase or solution with oil in natural underground reservoirs at reservoir conditions.

**Nonhydrocarbon Gases:** Typical nonhydrocarbon gases that may be present in reservoir natural gas are carbon dioxide, helium, hydrogen sulfide, and nitrogen.

**Oil Well (Casinghead) Gas:** Associated and dissolved gas produced along with crude oil from oil completions.

**Onsystem Sales:** Sales to customers where the delivery point is a point on, or directly interconnected with, a transportation, storage, and/or distribution system operated by the reporting company.

**Pipeline Fuel:** Gas consumed in the operation of pipelines, primarily in compressors.

**Repressuring:** The injection of gas into oil or gas formations to effect greater ultimate recovery.

**Residential Consumption**: Gas used in private dwellings, including apartments, for heating, cooking, water heating, and other household uses.

**Salt Cavern Storage Field:** A storage facility that is a cavern hollowed out in either a salt "bed" or "dome" formation.

**Storage Additions**: The volume of gas injected or otherwise added to underground natural gas or liquefied natural gas storage during the applicable reporting period.

**Storage Withdrawals:** Total volume of gas withdrawn from underground storage or liquefied natural gas storage during the applicable reporting period.

**Supplemental Gaseous Fuels Supplies**: Synthetic natural gas, propane-air, refinery gas, biomass gas, air injected for stabilization of heating content, and manufactured gas commingled and distributed with natural gas.

**Synthetic Natural Gas (SNG)**: A manufactured product chemically similar in most respects to natural gas, that results from the conversion or reforming of petroleum hydrocarbons and may easily be substituted for or interchanged with pipeline quality natural gas.

**Therm**: One-hundred thousand British thermal units.

**Underground Gas Storage Reservoir Capacity:** Interstate company reservoir capacities are those certificated by FERC. Independent producer and intrastate company reservoir capacities are reported as developed capacity.

**Vented Gas:** Gas released into the air on the base site or at processing plants.

**Wellhead Price:** Represents the wellhead sales price, including charges for natural gas plant liquids subsequently removed from the gas, gathering and compression charges, and State production, severance, and / or similar charges.

**Working (Top Storage) Gas:** The volume of gas in an underground storage reservoir above the designed level of the base. It may or may not be completely withdrawn during any particular withdrawal season. Conditions permitting, the total working capacity could be used more than once during any season.